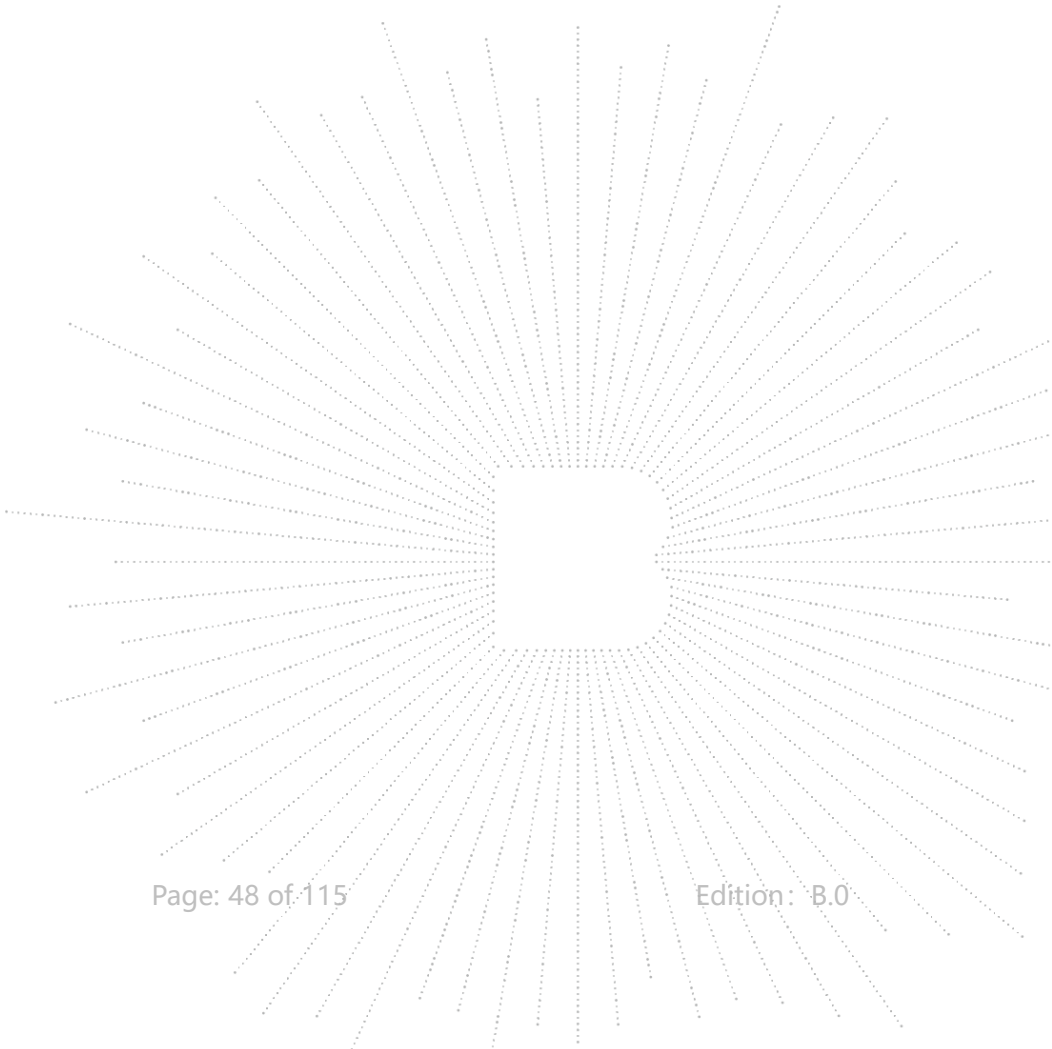
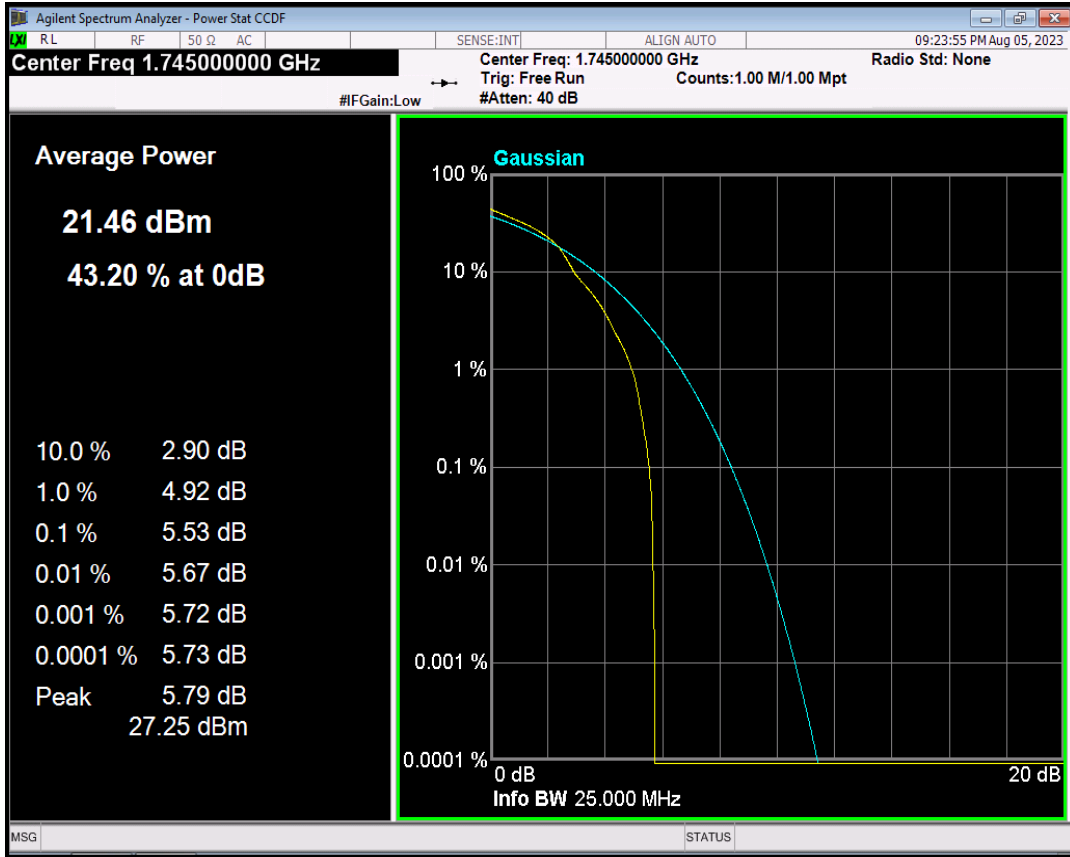




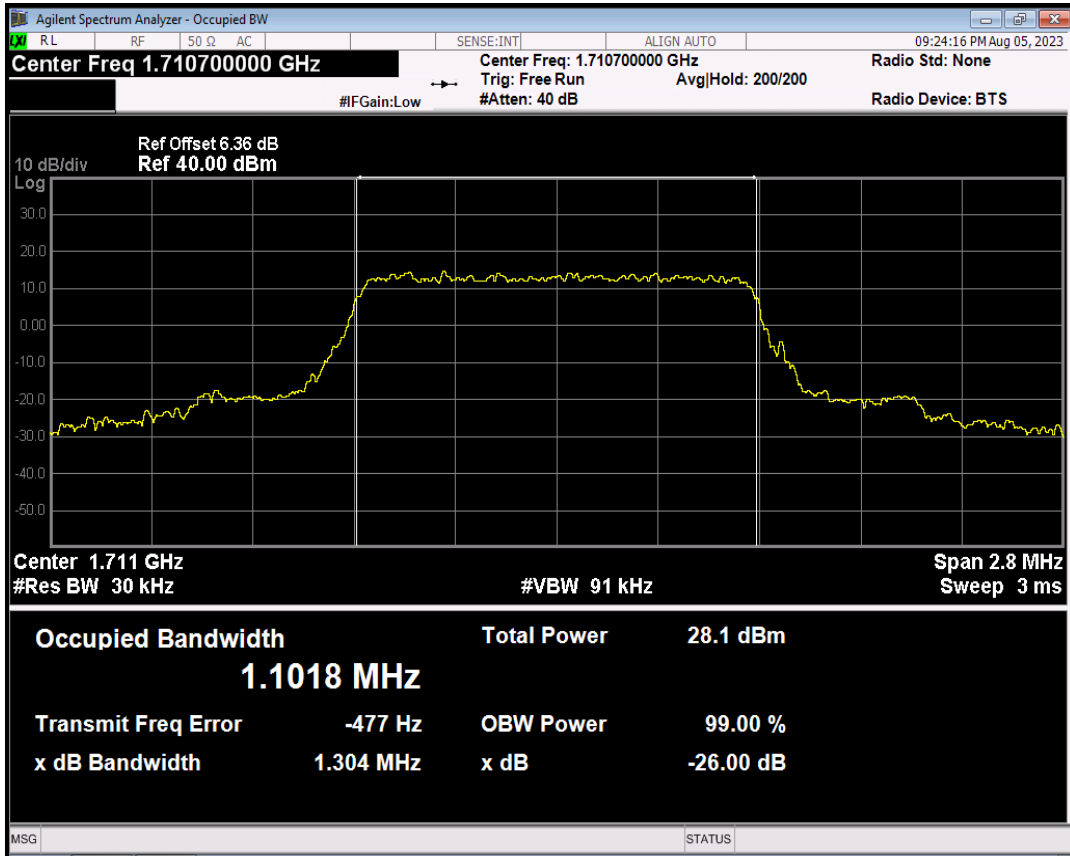
Band4 16QAM BW=20MHz Channel=20300 RB Size=1 Position=#0



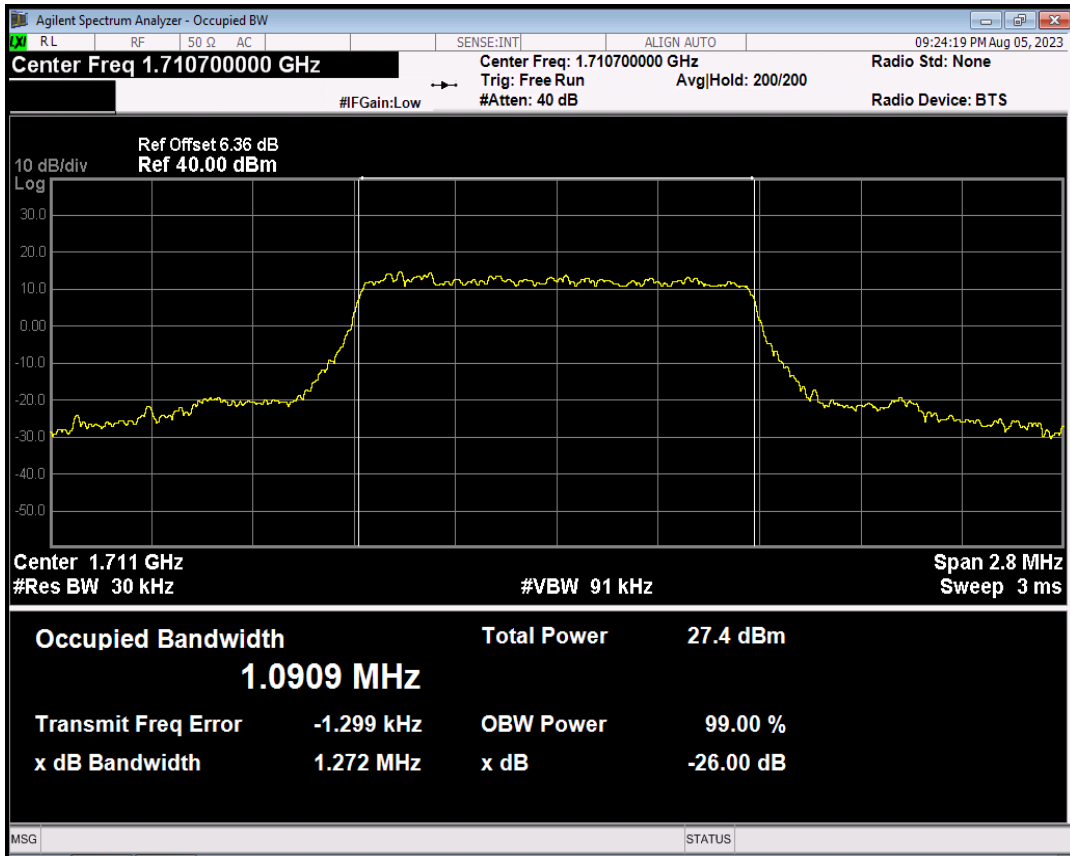
Appendix 4. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band4	1.4	19957	6	#0	QPSK	1.102	1.304	PASS
Band4	1.4	19957	6	#0	16QAM	1.091	1.272	PASS
Band4	1.4	20175	6	#0	QPSK	1.100	1.287	PASS
Band4	1.4	20175	6	#0	16QAM	1.093	1.294	PASS
Band4	1.4	20393	6	#0	QPSK	1.090	1.291	PASS
Band4	1.4	20393	6	#0	16QAM	1.103	1.321	PASS
Band4	3	19965	15	#0	QPSK	2.701	2.947	PASS
Band4	3	19965	15	#0	16QAM	2.689	2.928	PASS
Band4	3	20175	15	#0	QPSK	2.691	2.947	PASS
Band4	3	20175	15	#0	16QAM	2.699	2.948	PASS
Band4	3	20385	15	#0	QPSK	2.692	2.925	PASS
Band4	3	20385	15	#0	16QAM	2.700	2.963	PASS
Band4	5	19975	25	#0	QPSK	4.524	4.947	PASS
Band4	5	19975	25	#0	16QAM	4.511	4.951	PASS
Band4	5	20175	25	#0	QPSK	4.515	4.981	PASS
Band4	5	20175	25	#0	16QAM	4.516	4.961	PASS
Band4	5	20375	25	#0	QPSK	4.510	4.979	PASS
Band4	5	20375	25	#0	16QAM	4.508	4.991	PASS
Band4	10	20000	50	#0	QPSK	8.987	9.842	PASS
Band4	10	20000	50	#0	16QAM	9.006	9.741	PASS
Band4	10	20175	50	#0	QPSK	9.006	9.746	PASS
Band4	10	20175	50	#0	16QAM	9.004	9.687	PASS
Band4	10	20350	50	#0	QPSK	9.006	9.719	PASS
Band4	10	20350	50	#0	16QAM	9.006	9.753	PASS
Band4	15	20025	75	#0	QPSK	13.537	14.605	PASS
Band4	15	20025	75	#0	16QAM	13.495	14.611	PASS
Band4	15	20175	75	#0	QPSK	13.457	14.558	PASS
Band4	15	20175	75	#0	16QAM	13.475	14.675	PASS
Band4	15	20325	75	#0	QPSK	13.514	14.477	PASS
Band4	15	20325	75	#0	16QAM	13.498	14.511	PASS
Band4	20	20050	100	#0	QPSK	17.935	19.388	PASS
Band4	20	20050	100	#0	16QAM	17.967	19.388	PASS
Band4	20	20175	100	#0	QPSK	17.951	19.111	PASS
Band4	20	20175	100	#0	16QAM	17.954	19.416	PASS
Band4	20	20300	100	#0	QPSK	17.936	19.418	PASS
Band4	20	20300	100	#0	16QAM	17.964	19.265	PASS

Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0

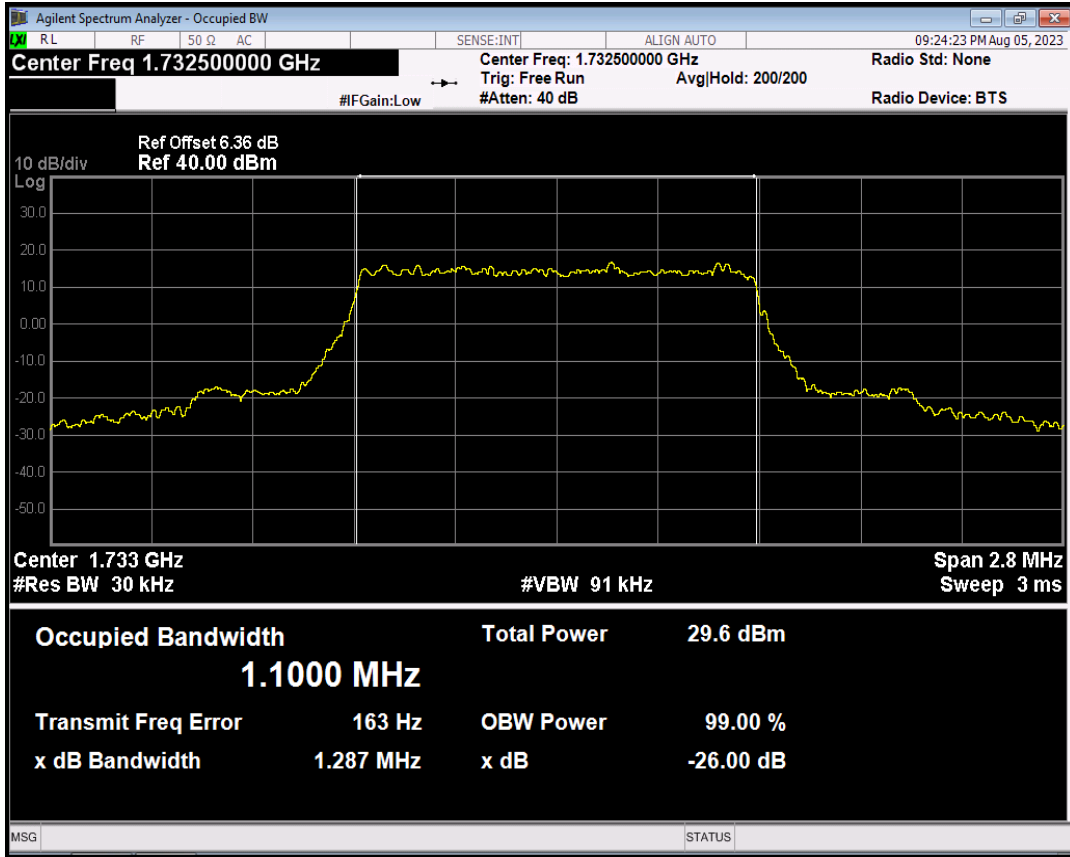


Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0

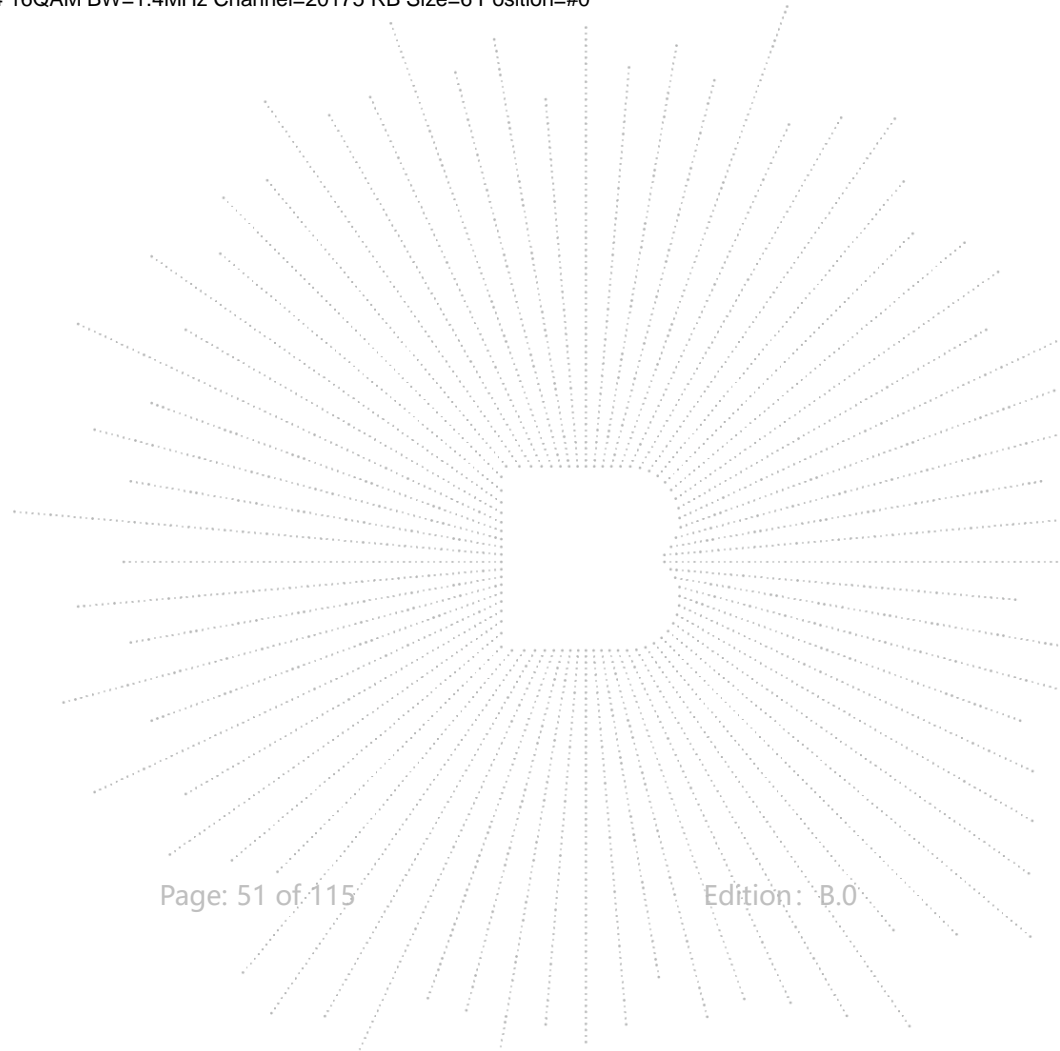


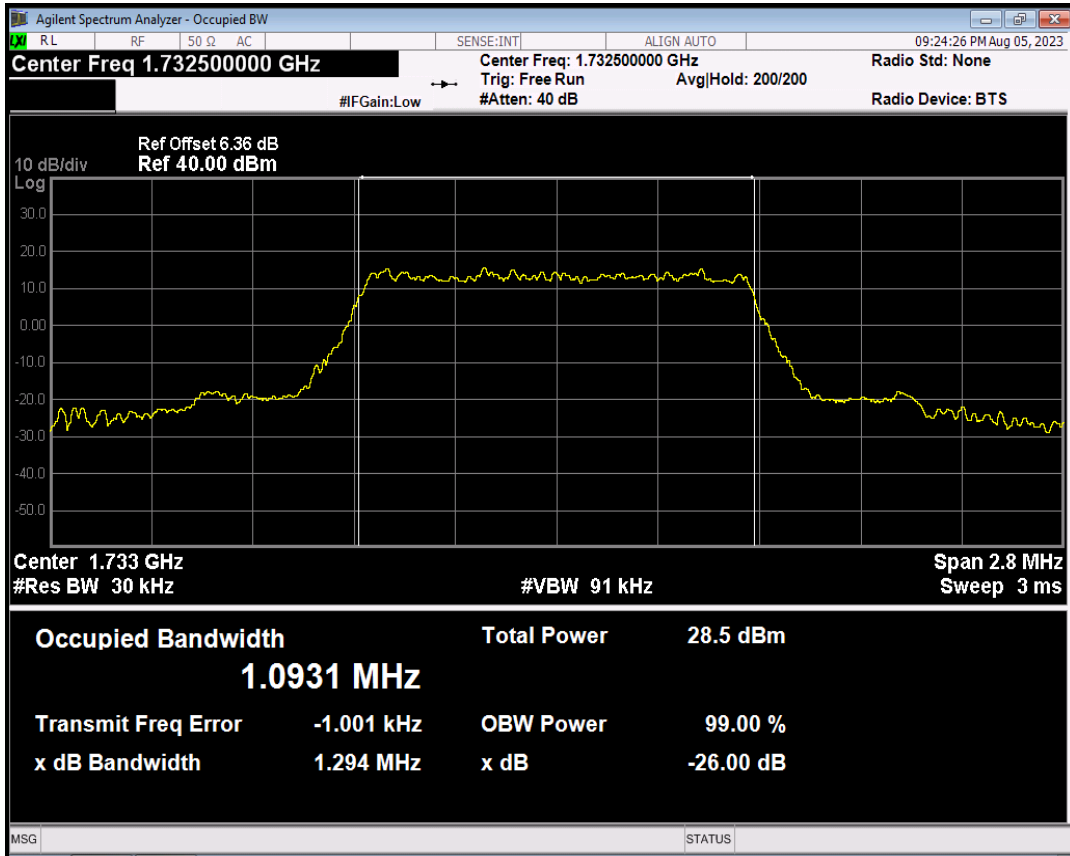


Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0

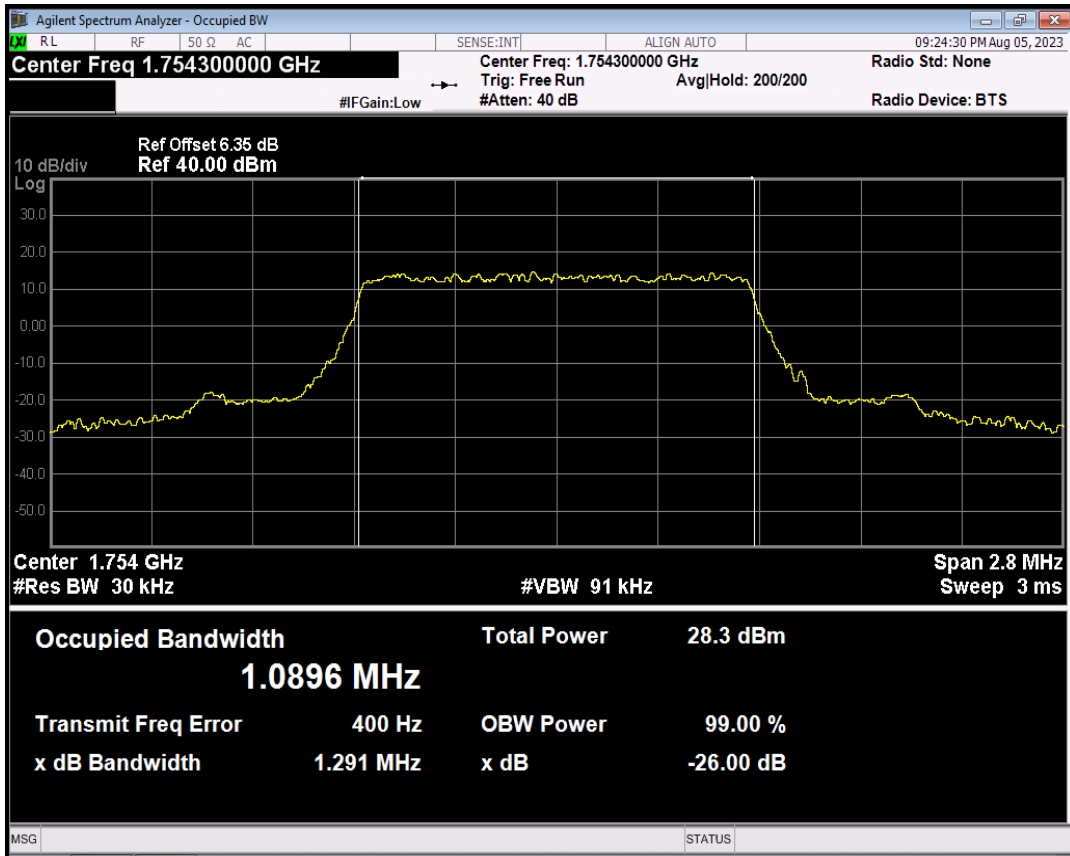


Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0

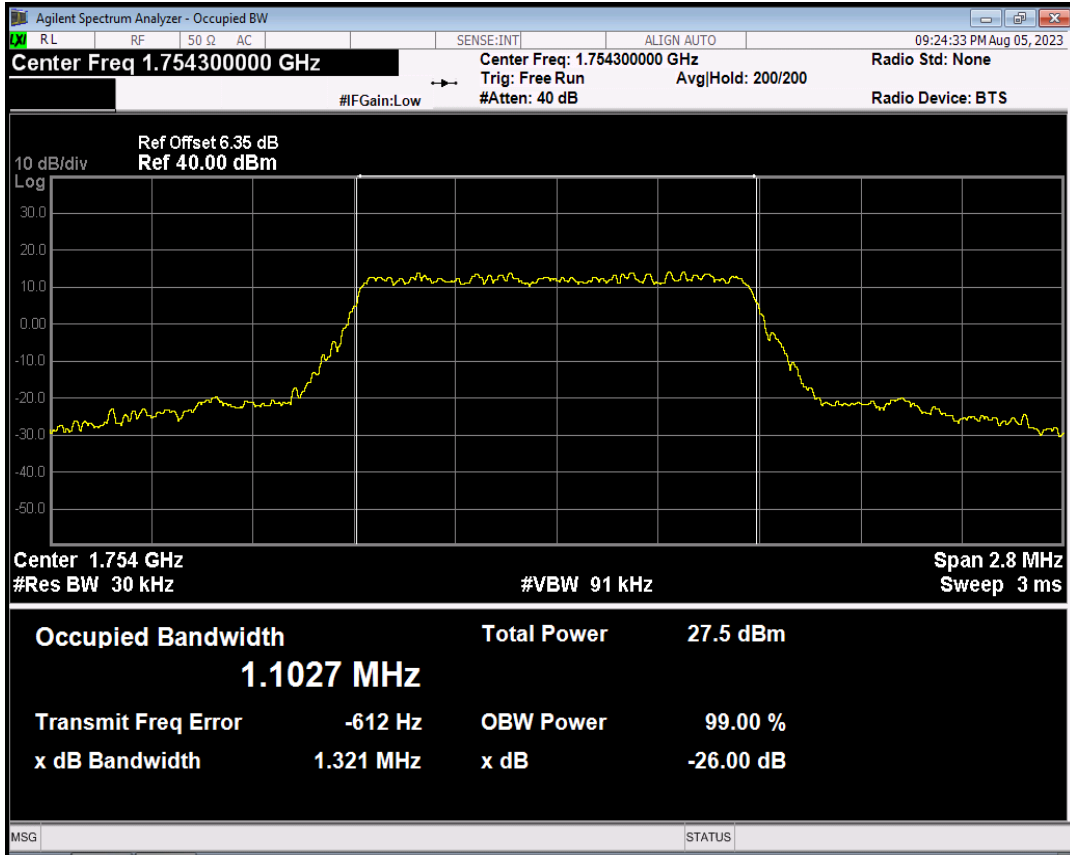




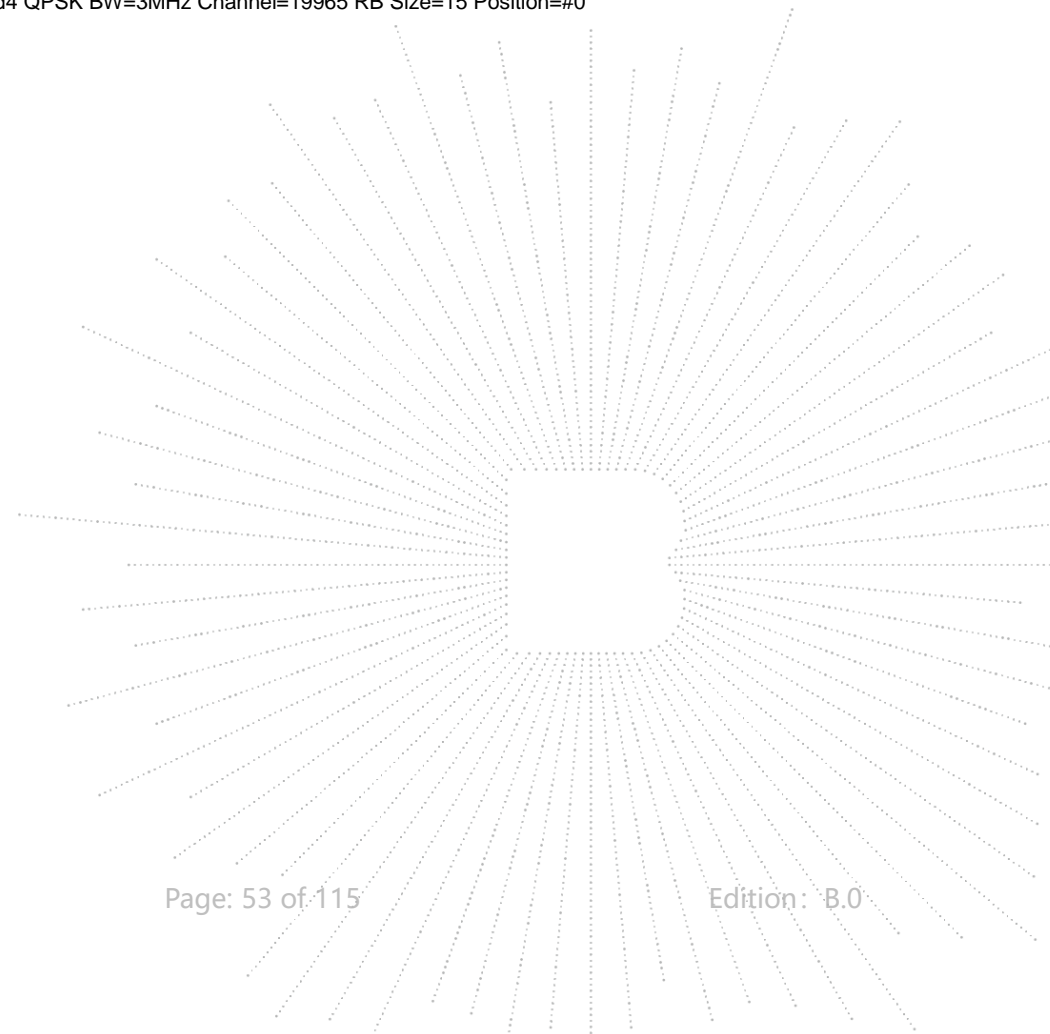
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0

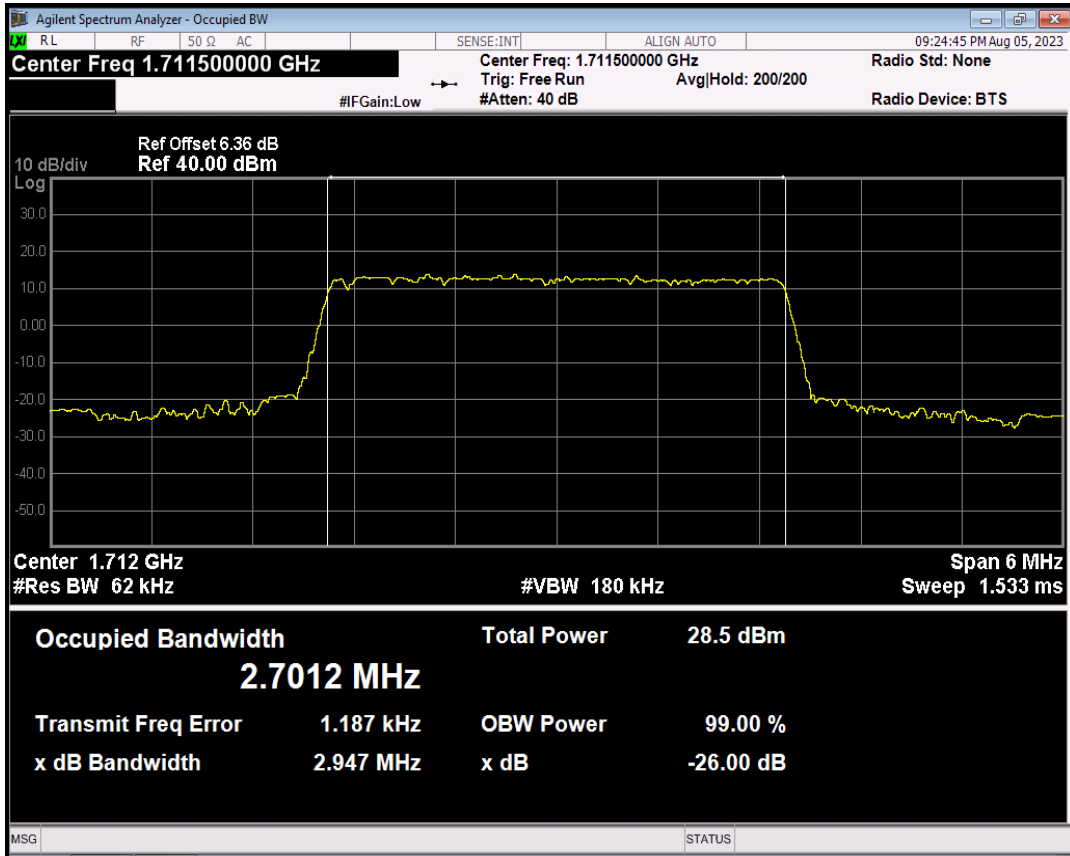


Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0

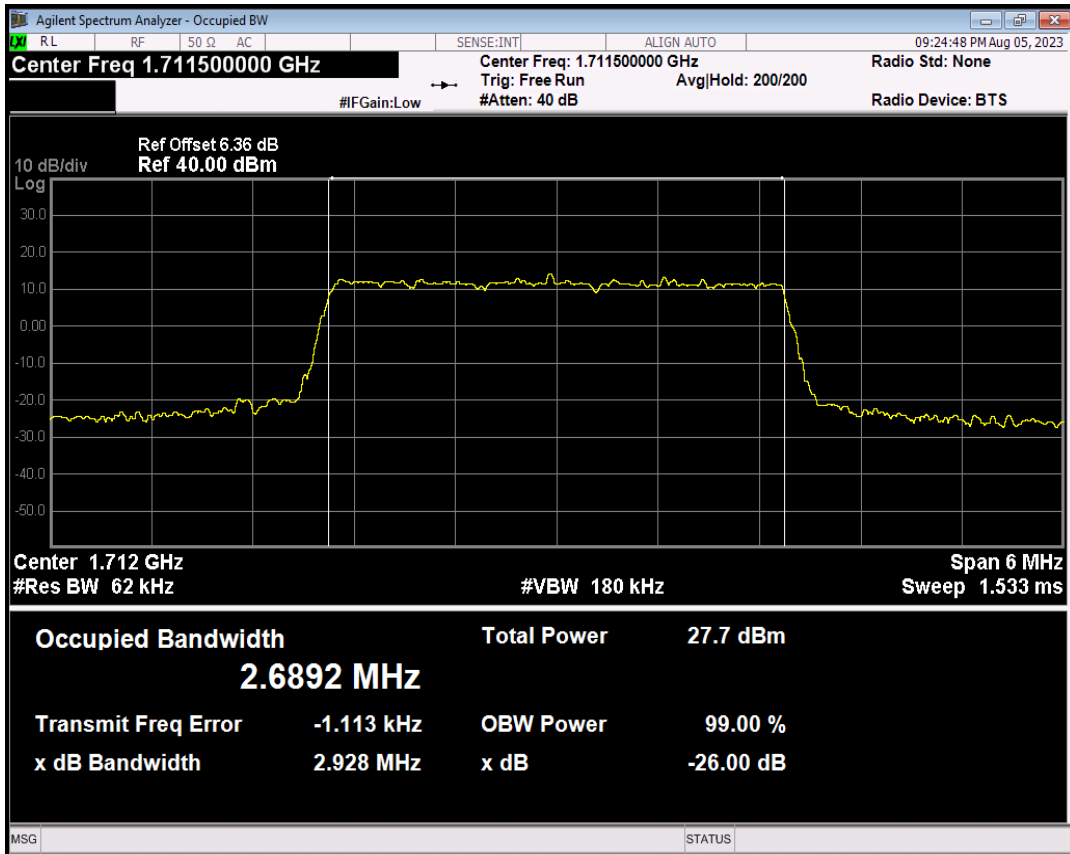


Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0

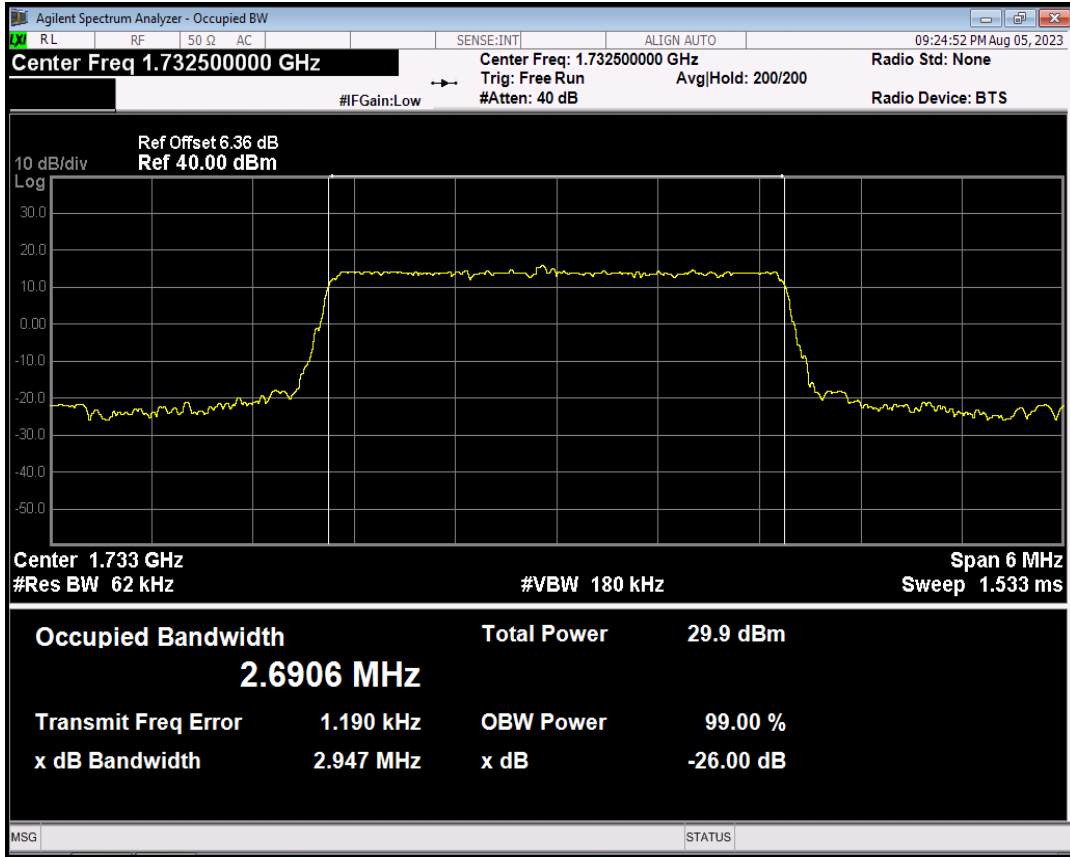




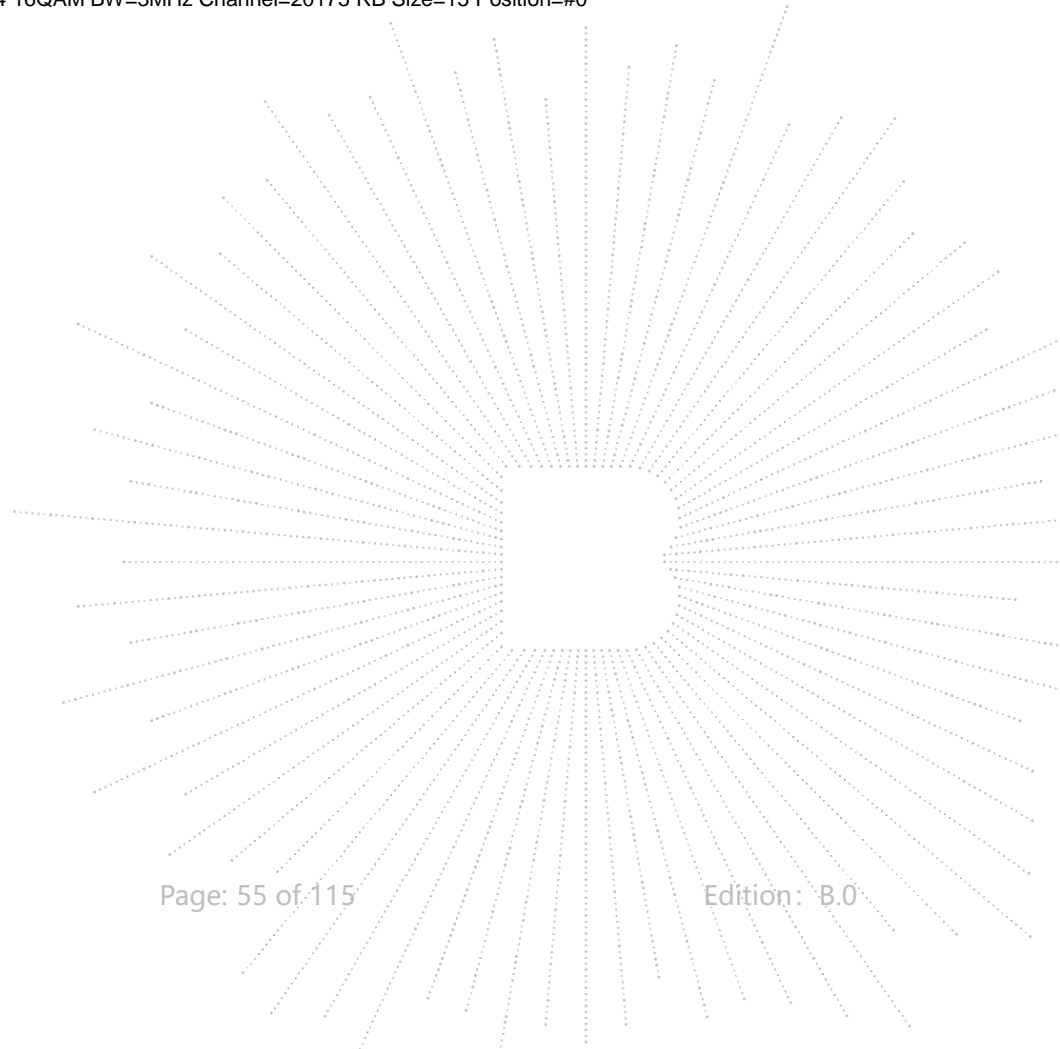
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0

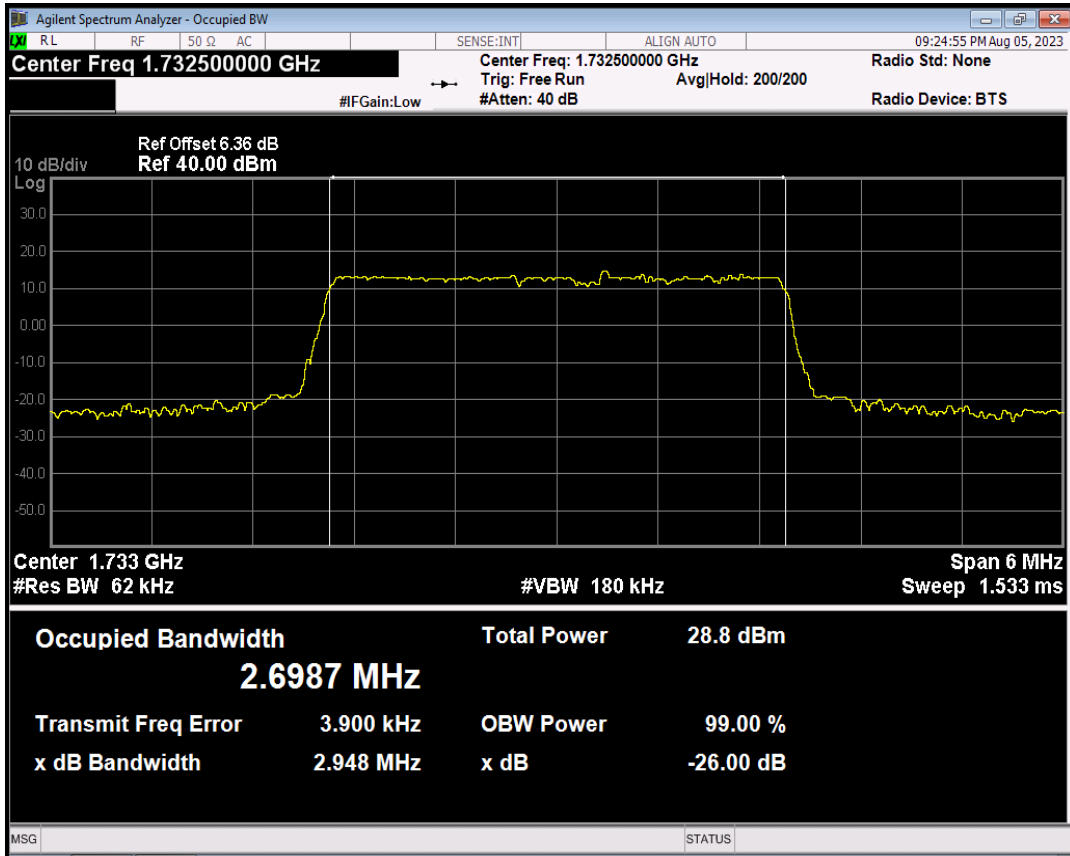


Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0

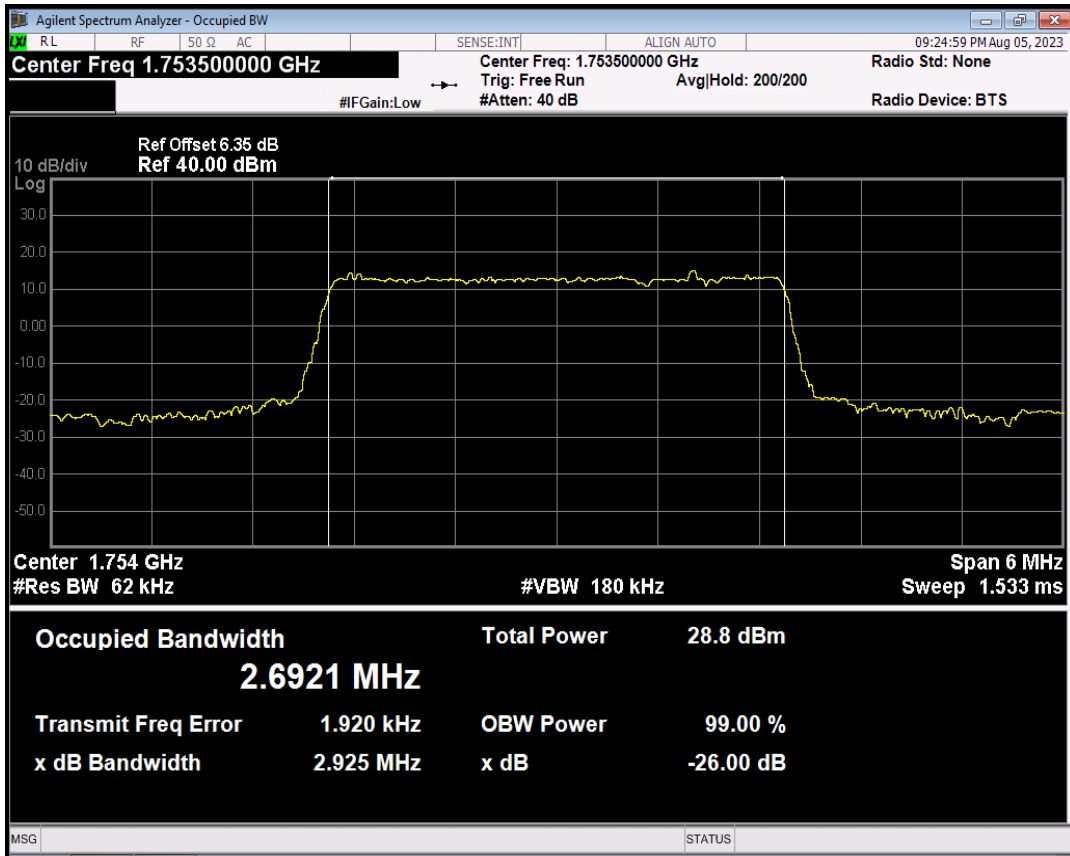


Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0



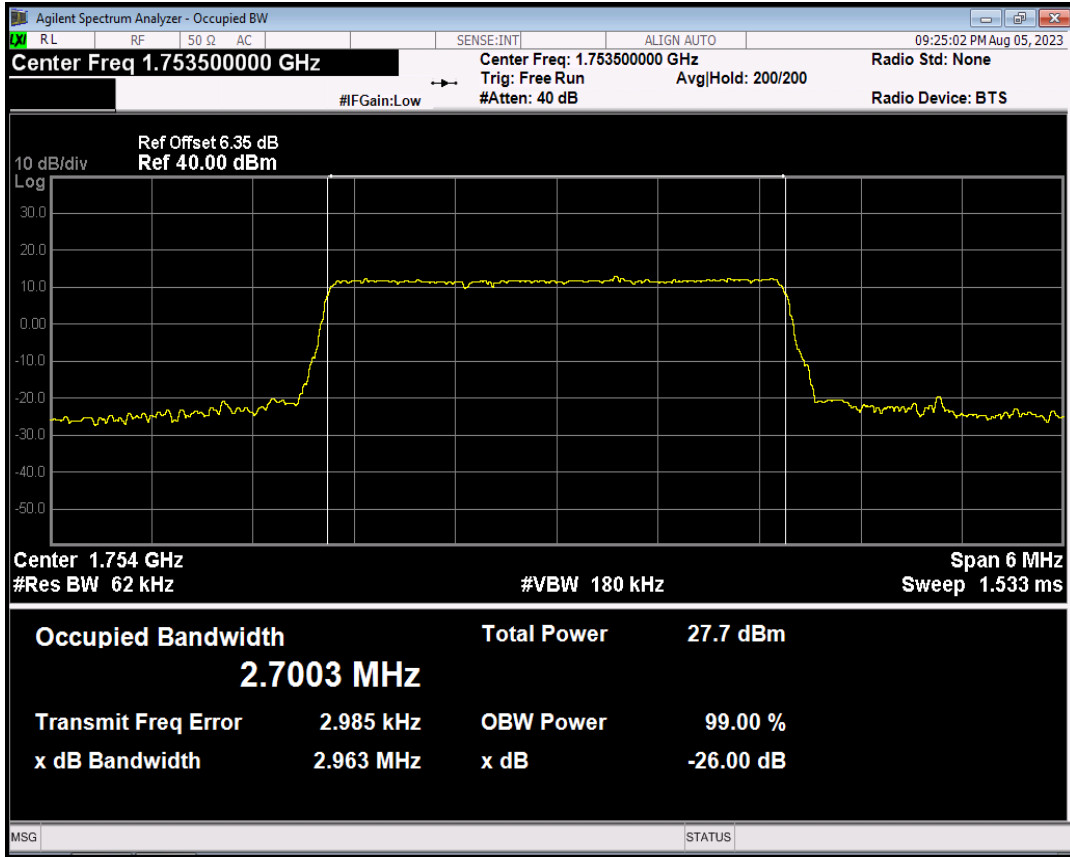


Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0

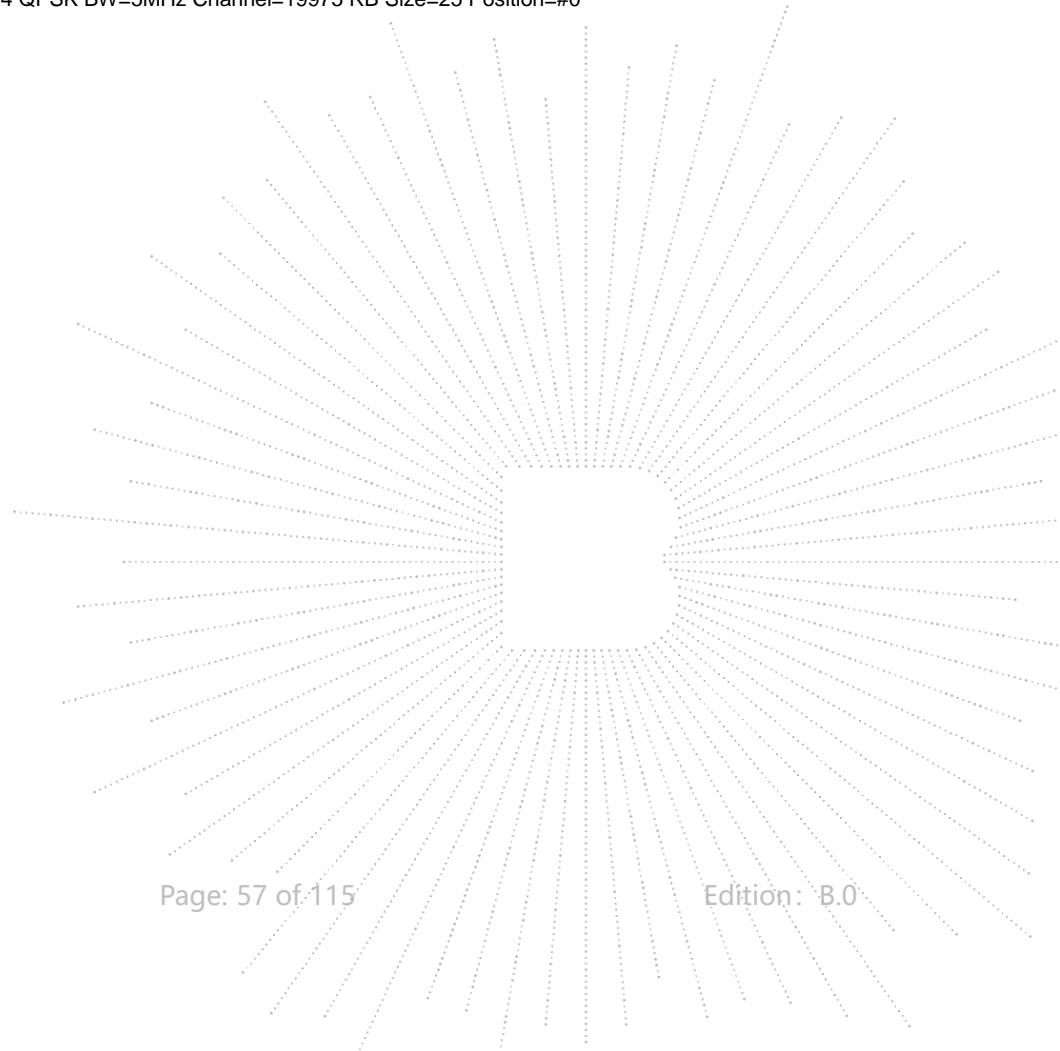


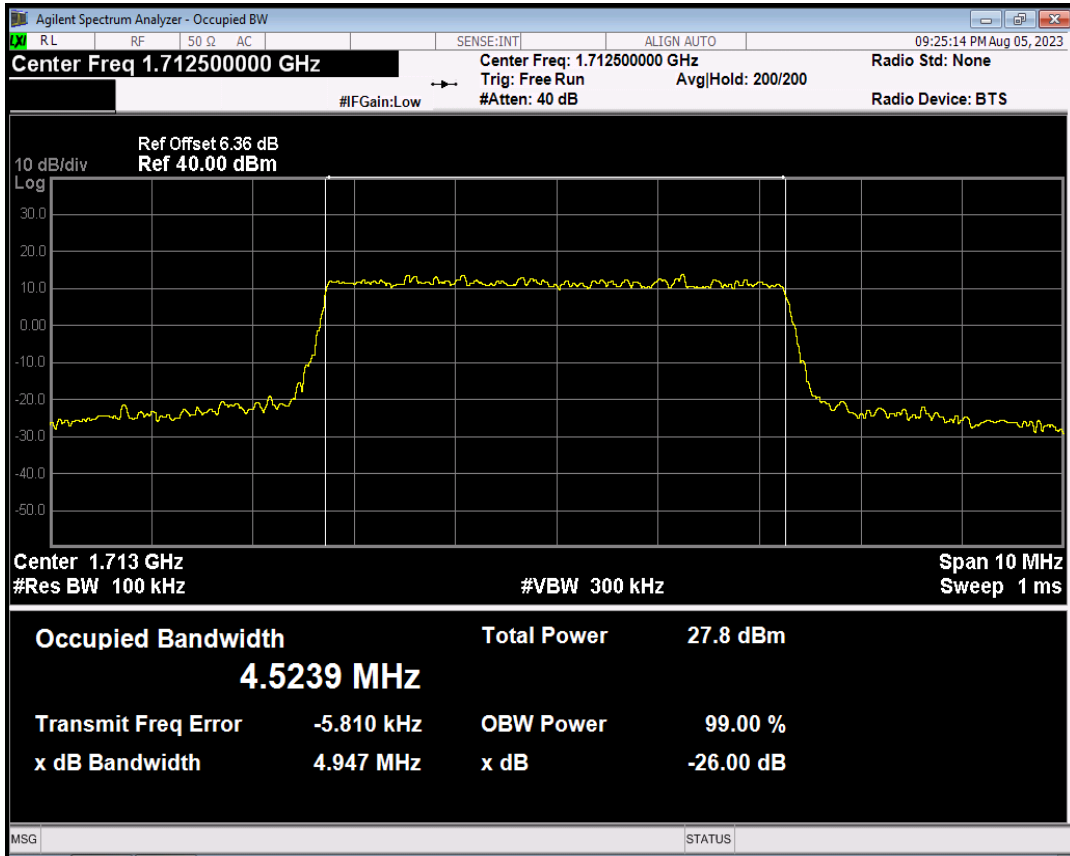


Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0

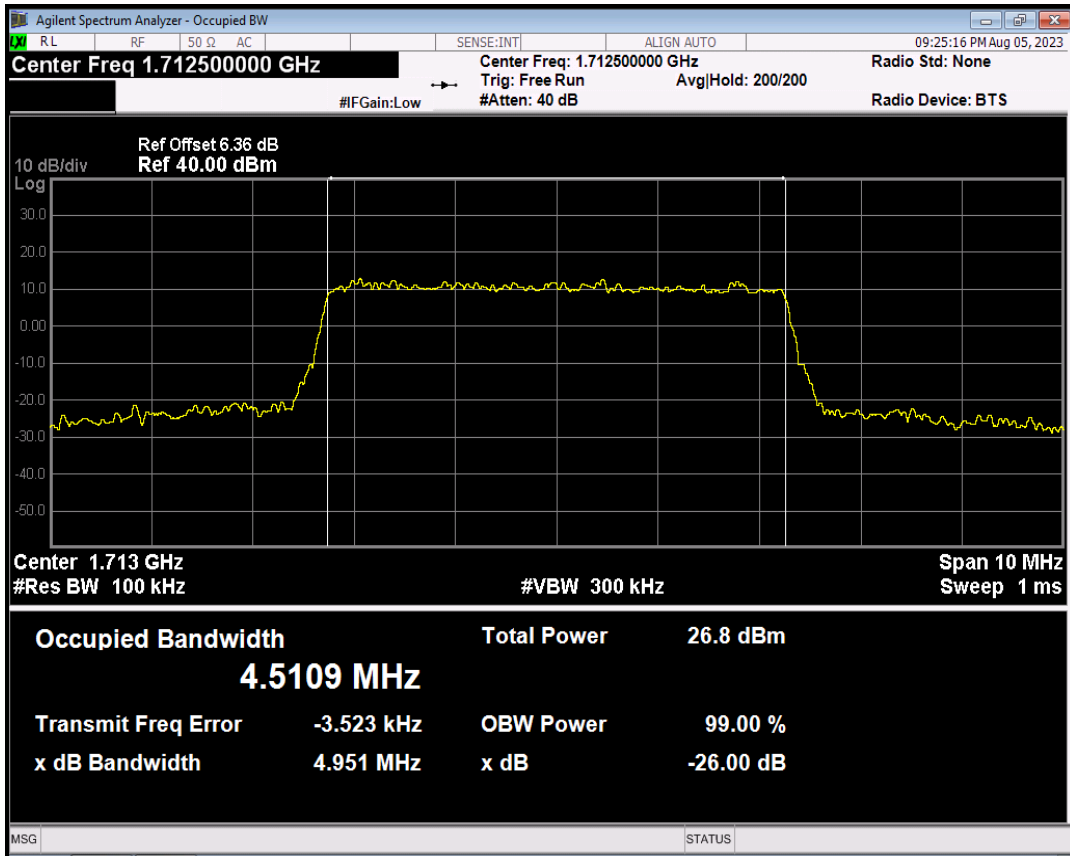


Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0

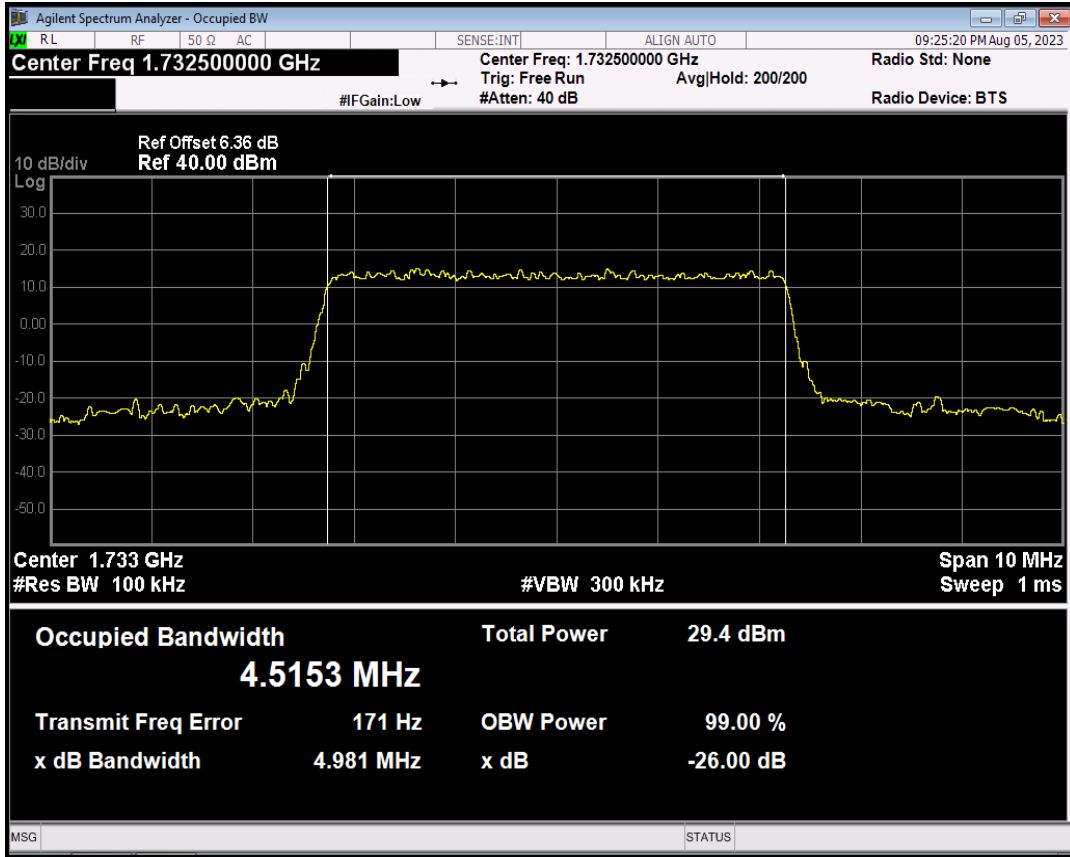




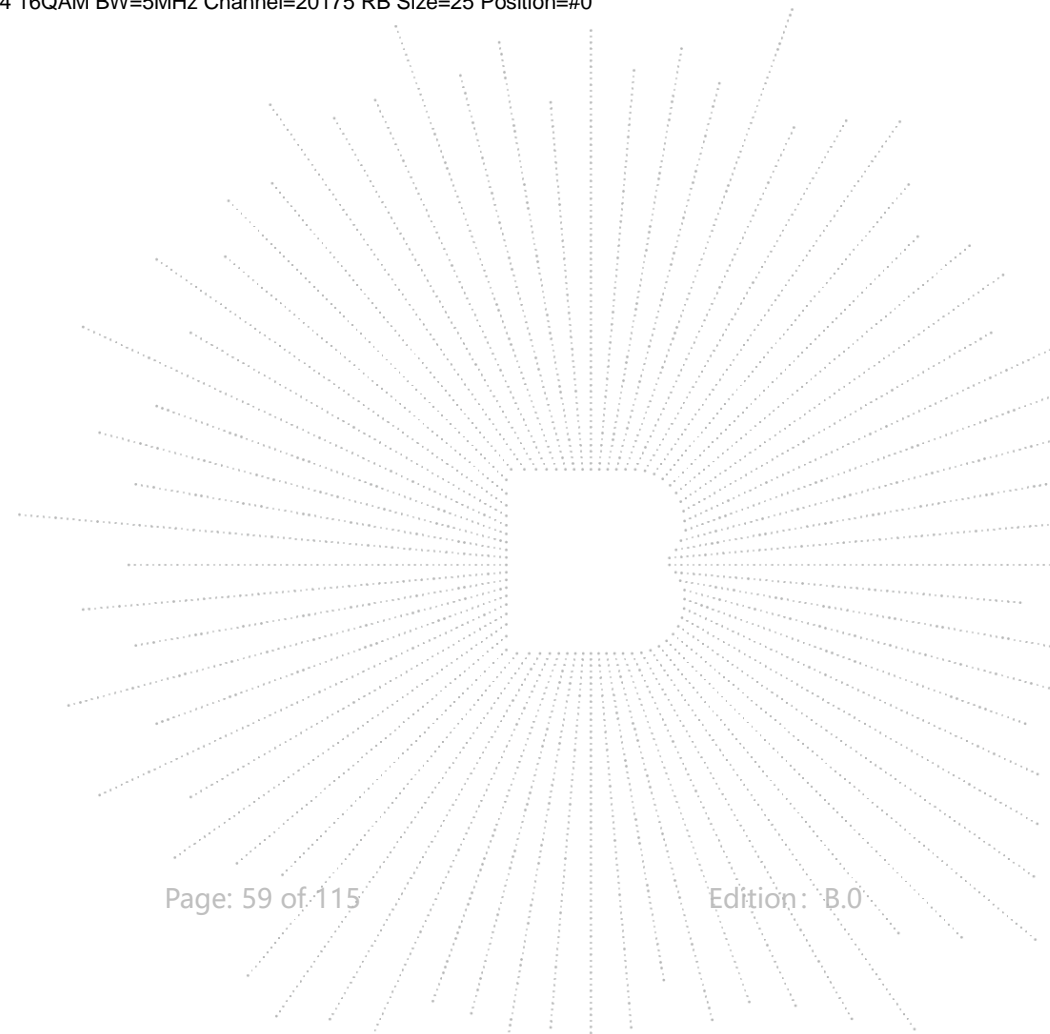
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0

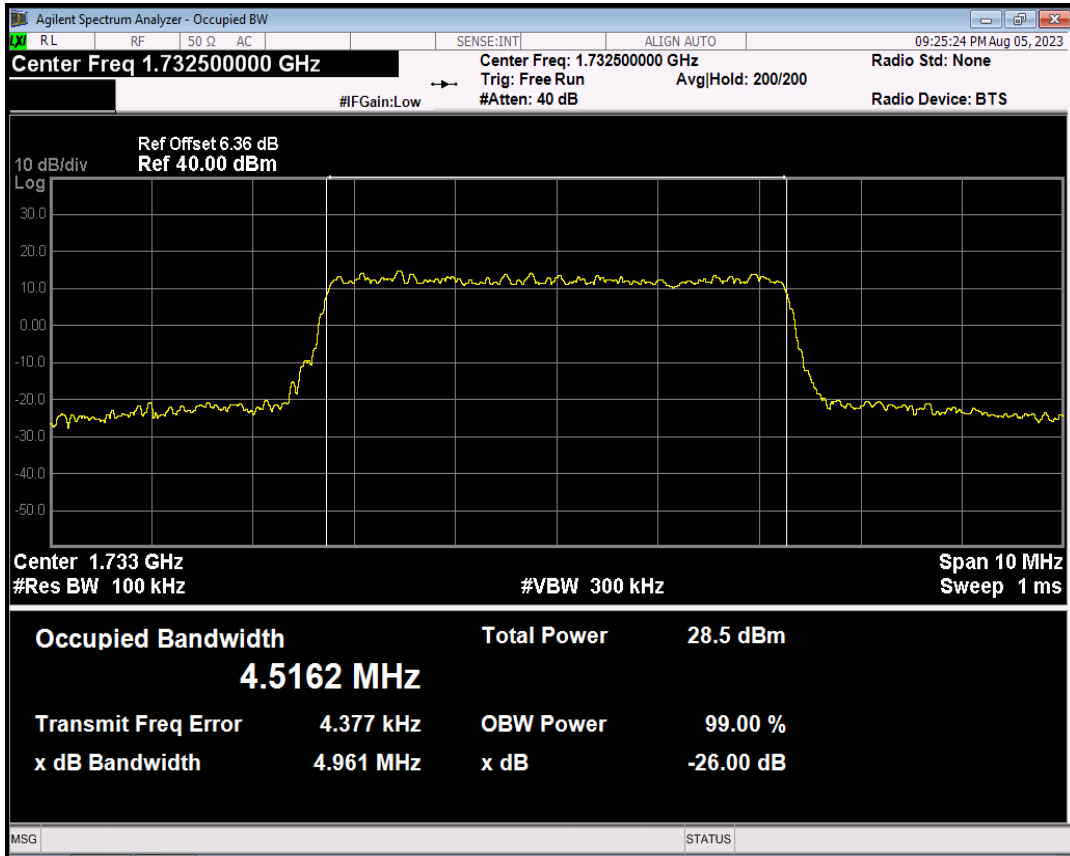


Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0

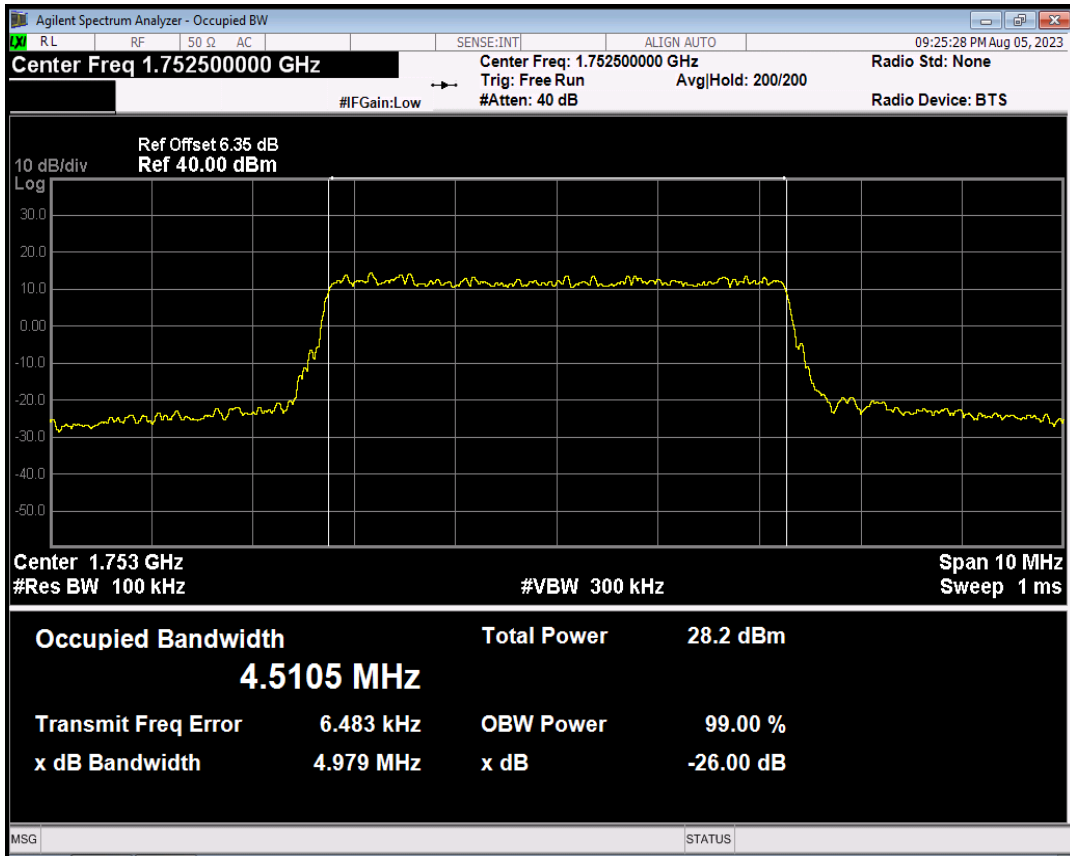


Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0

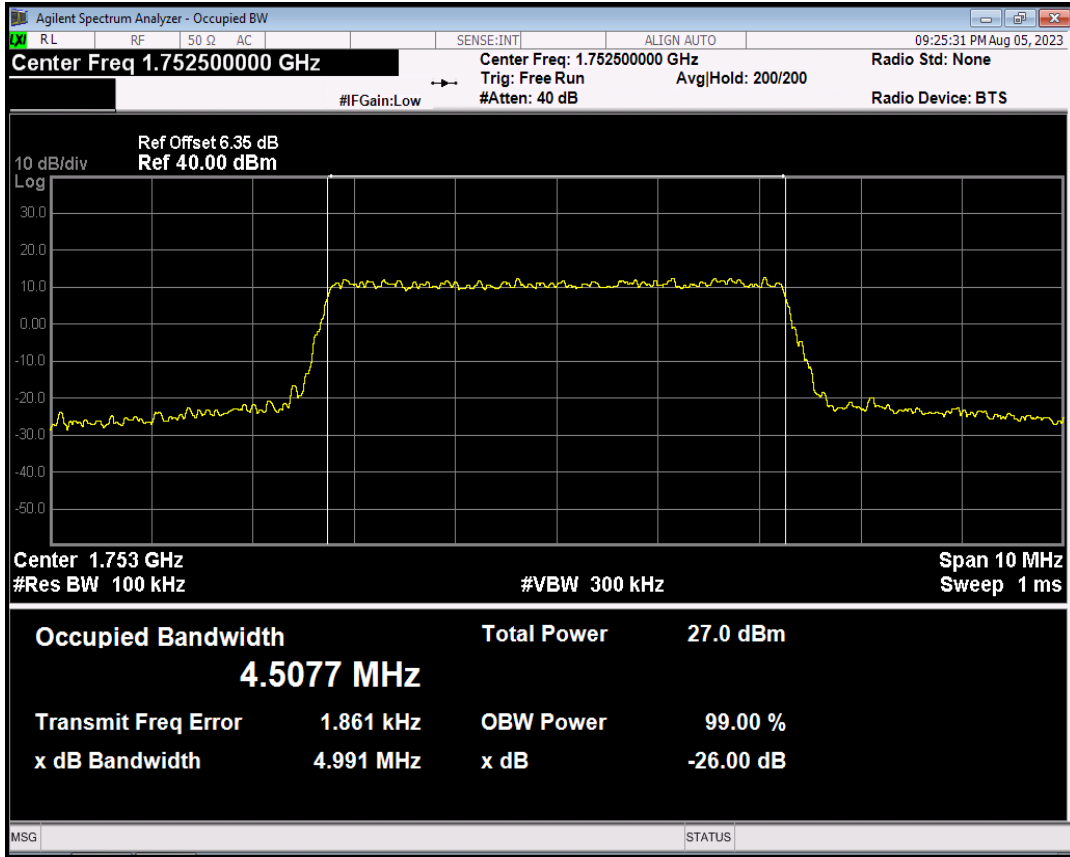




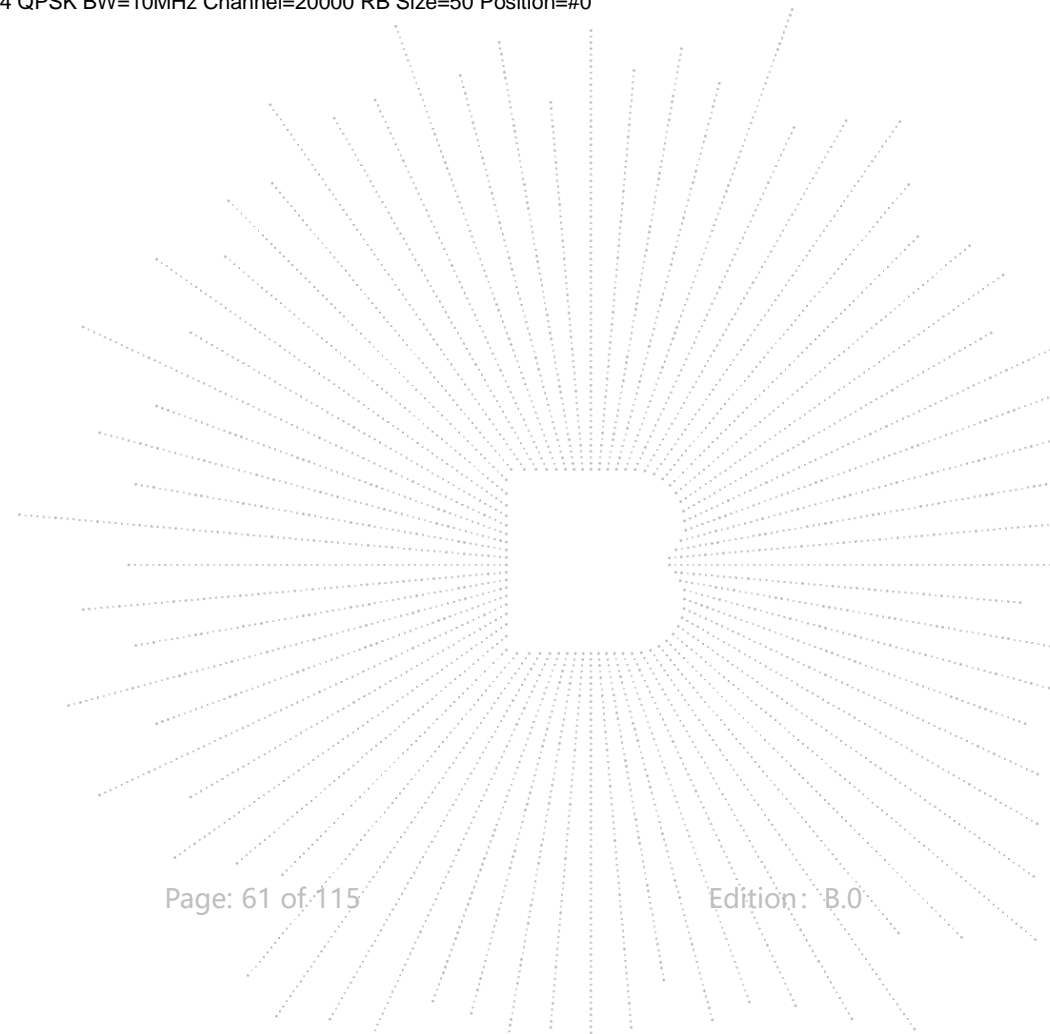
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0

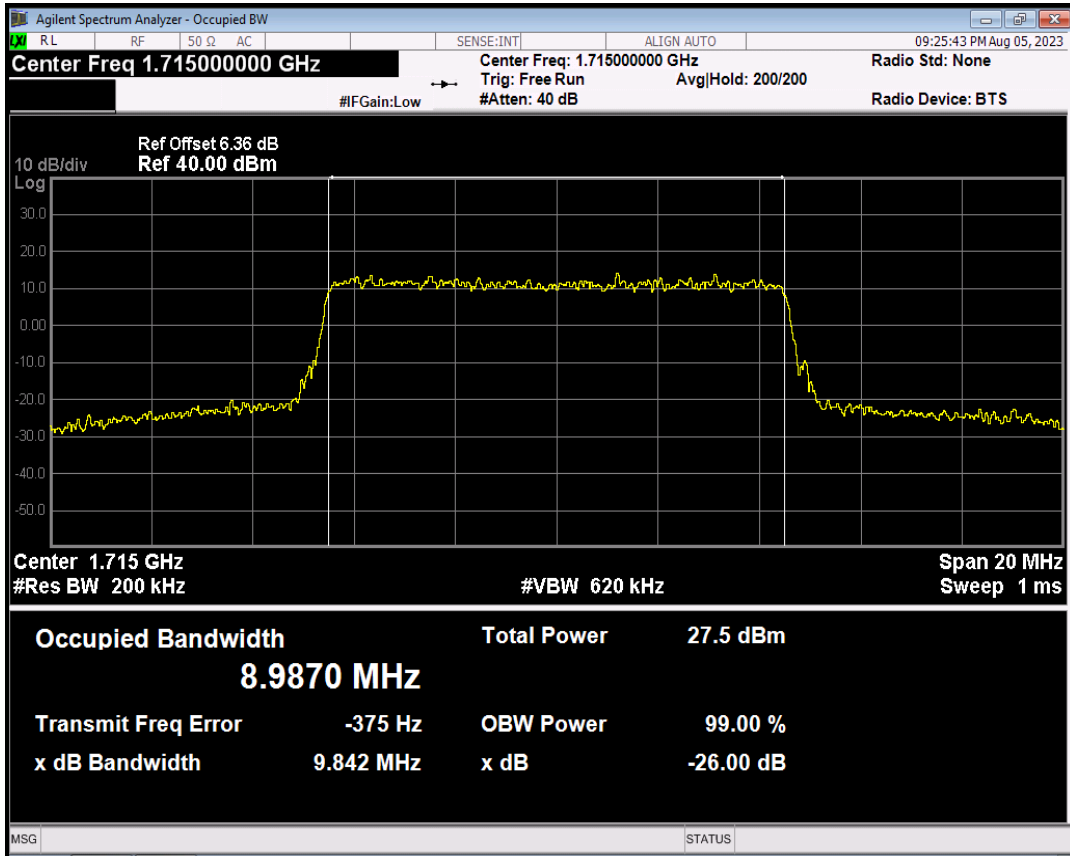


Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0

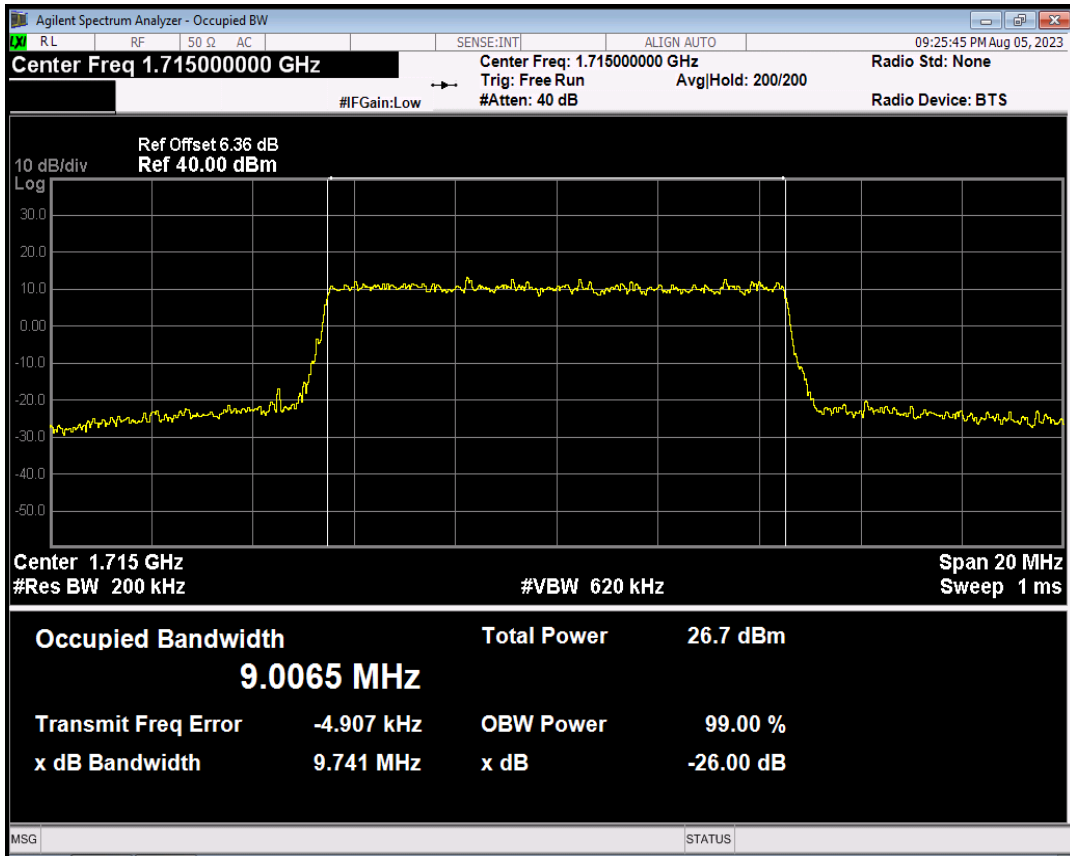


Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



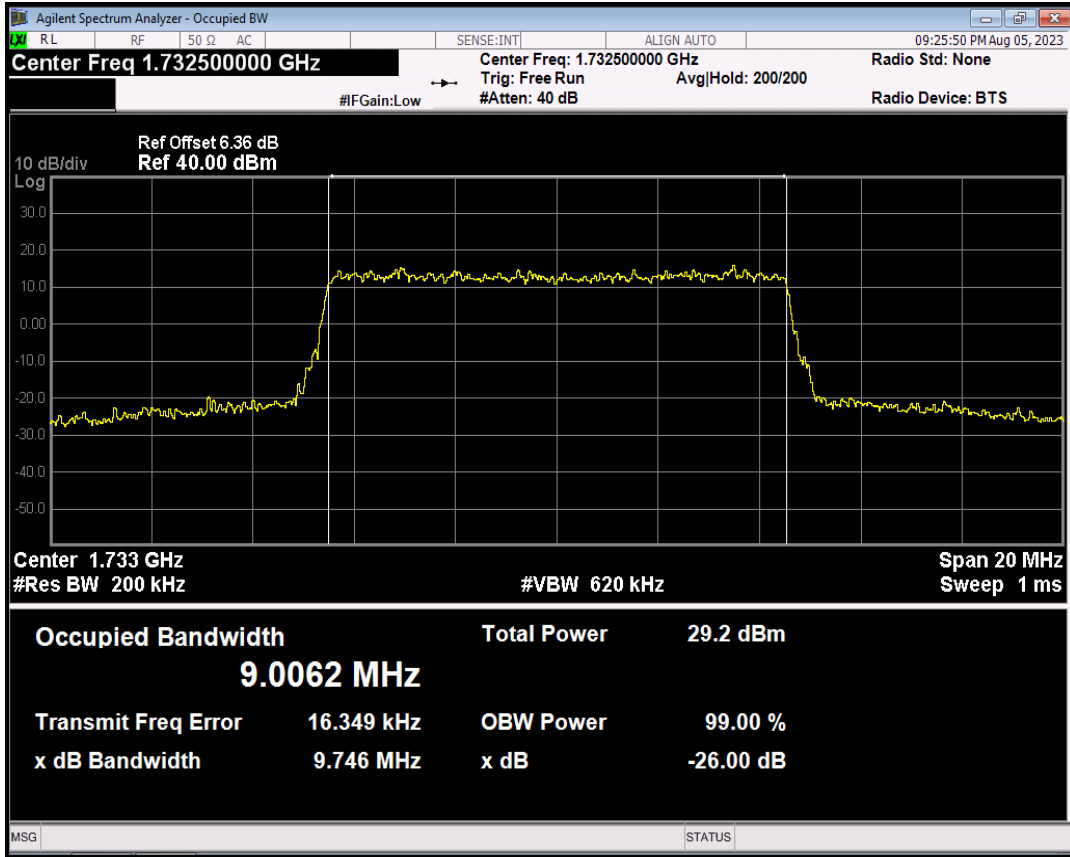


Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0

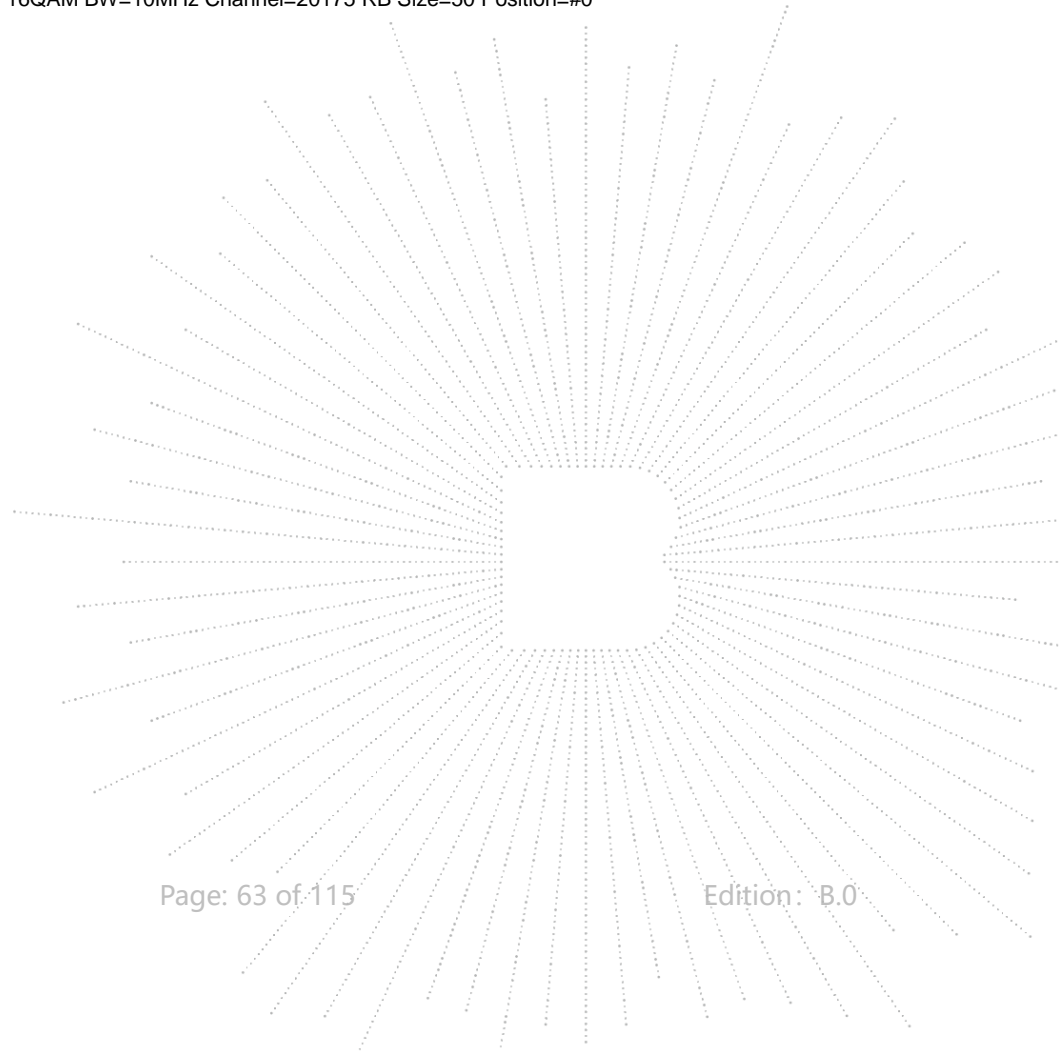


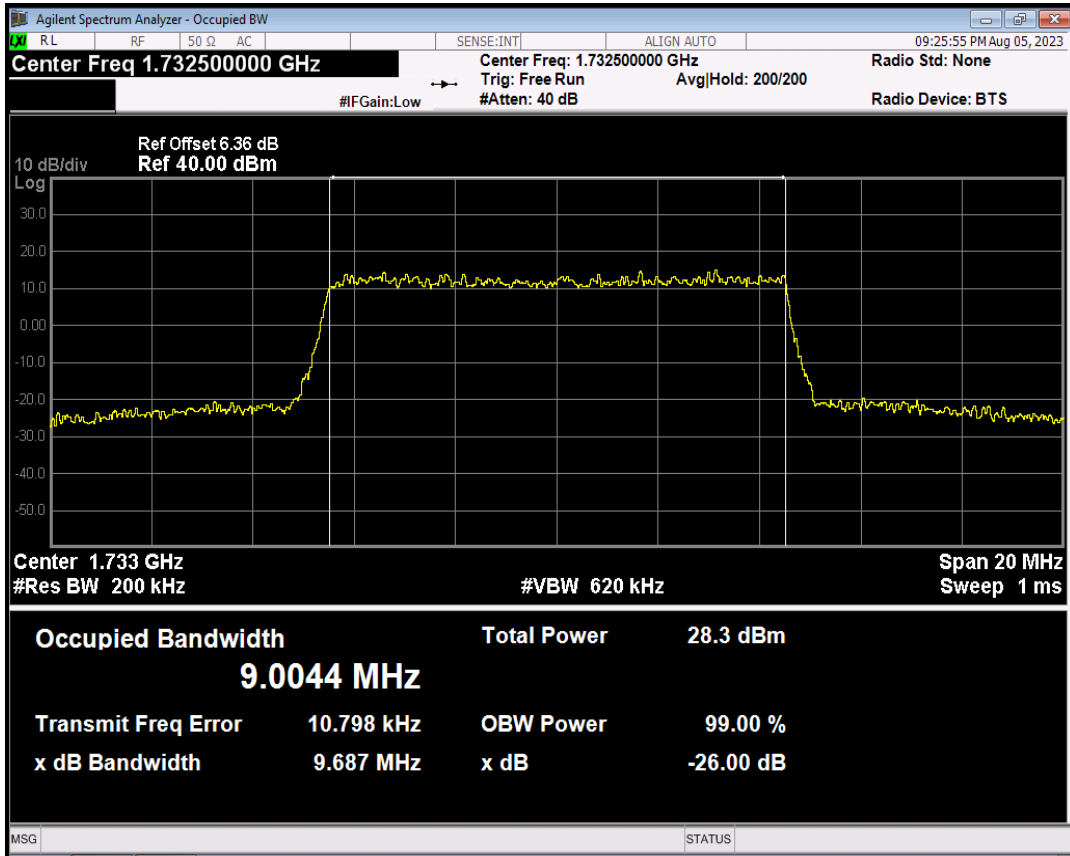


Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0

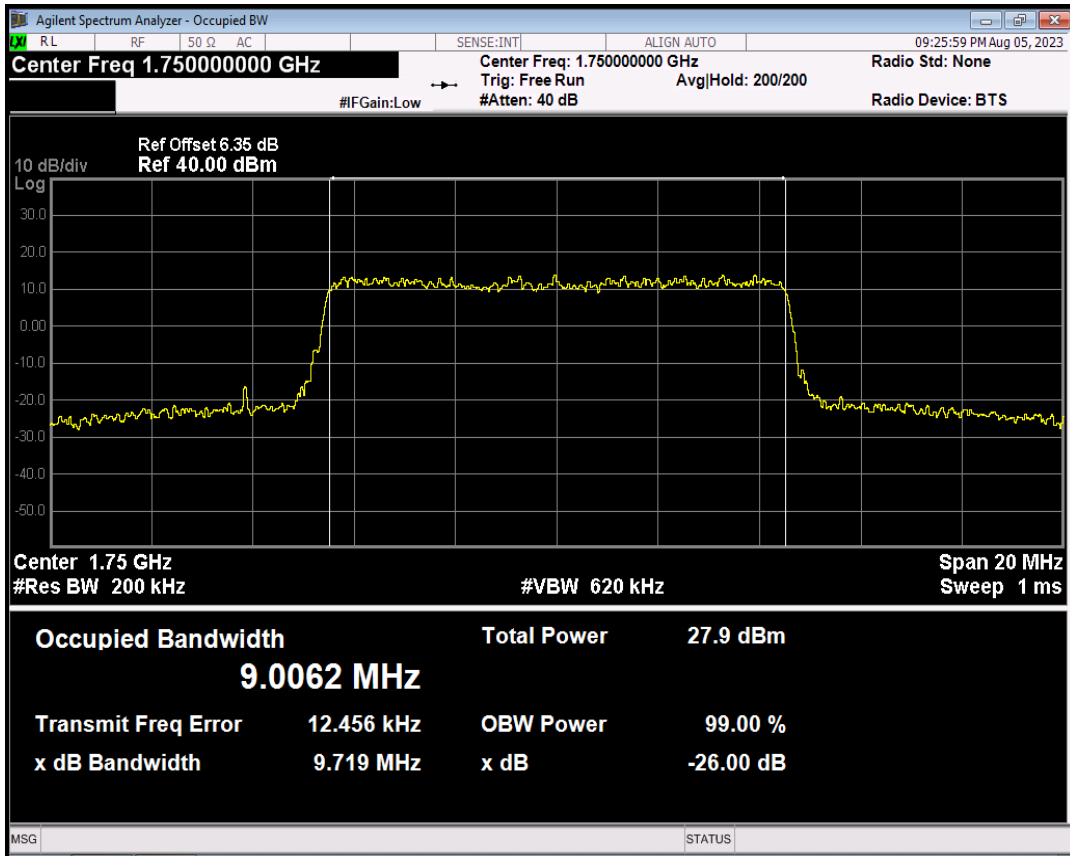


Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0



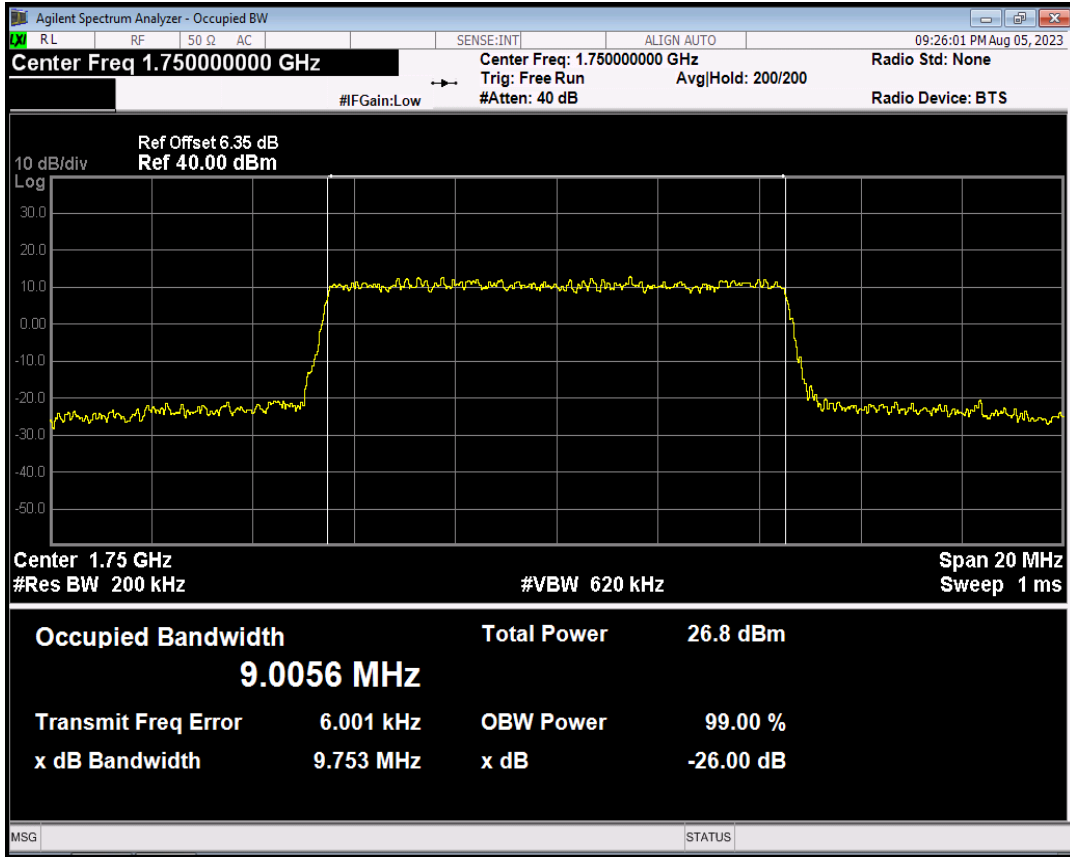


Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0

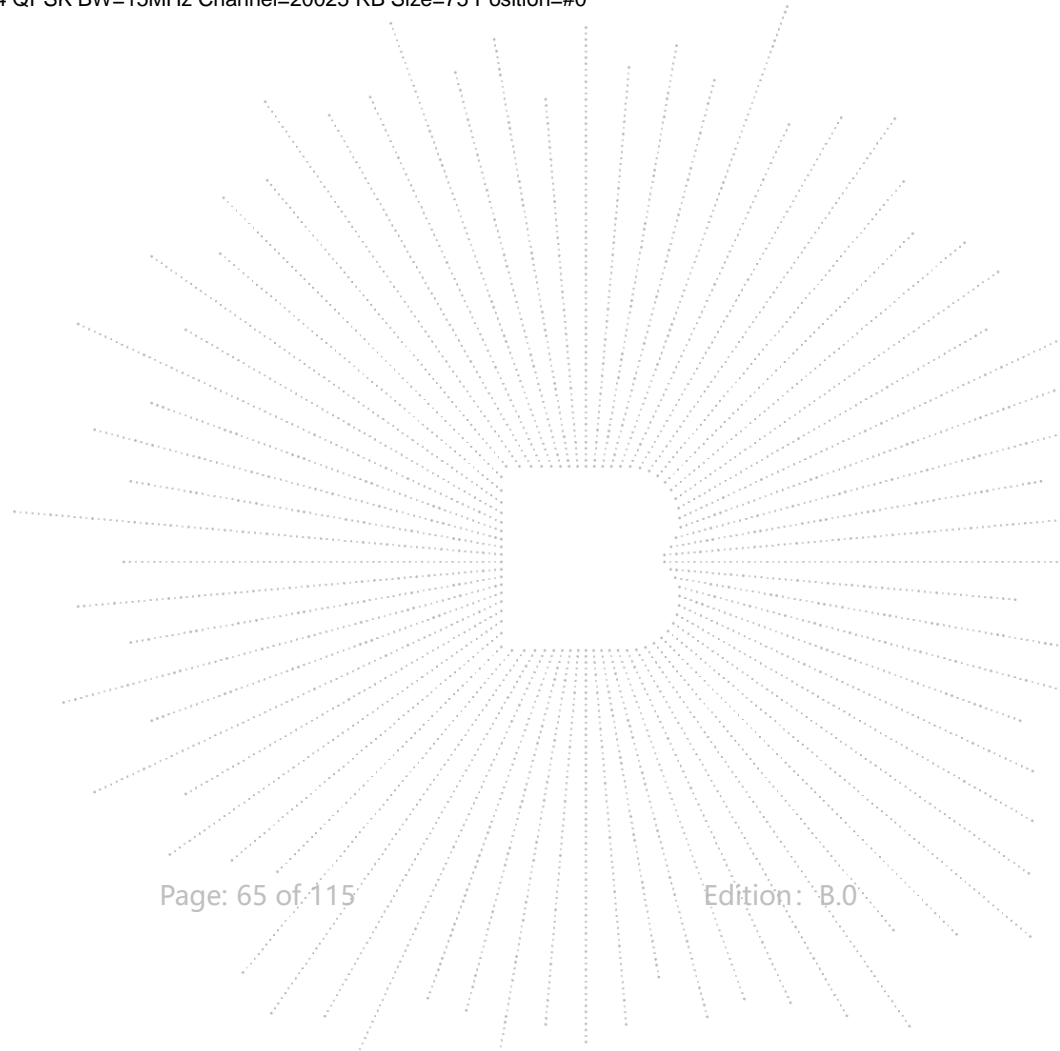


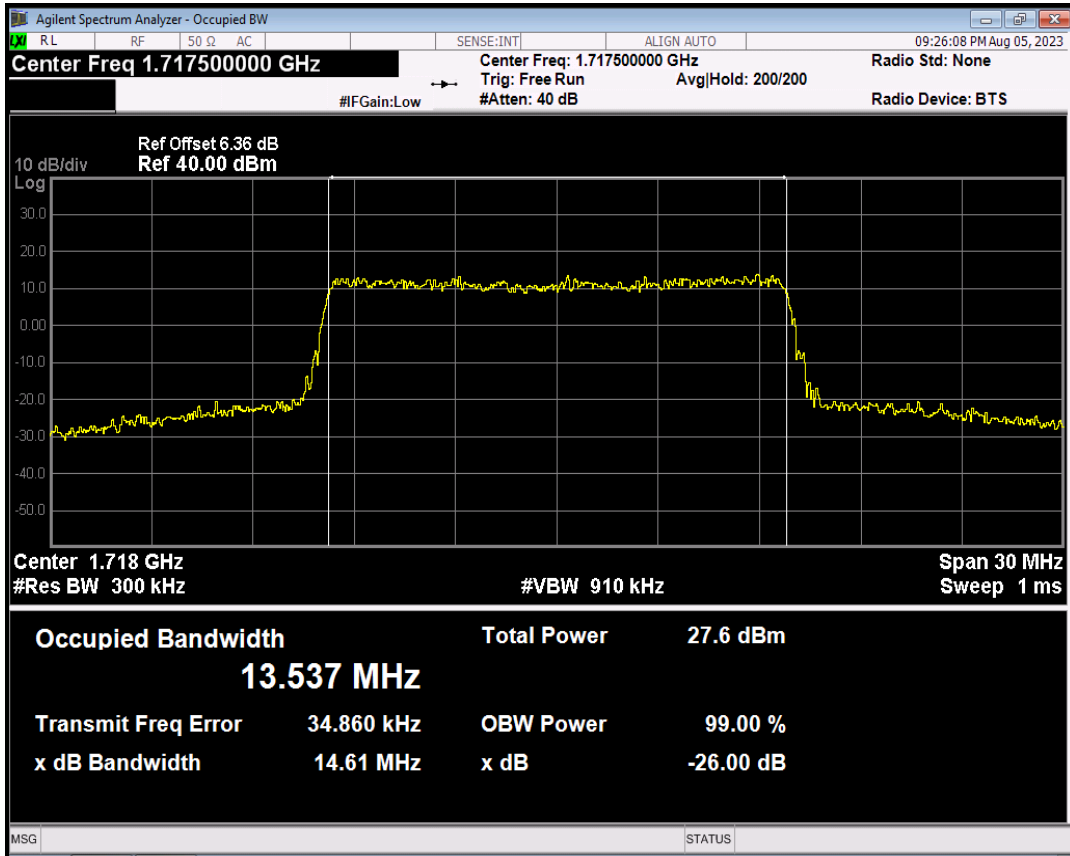


Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0

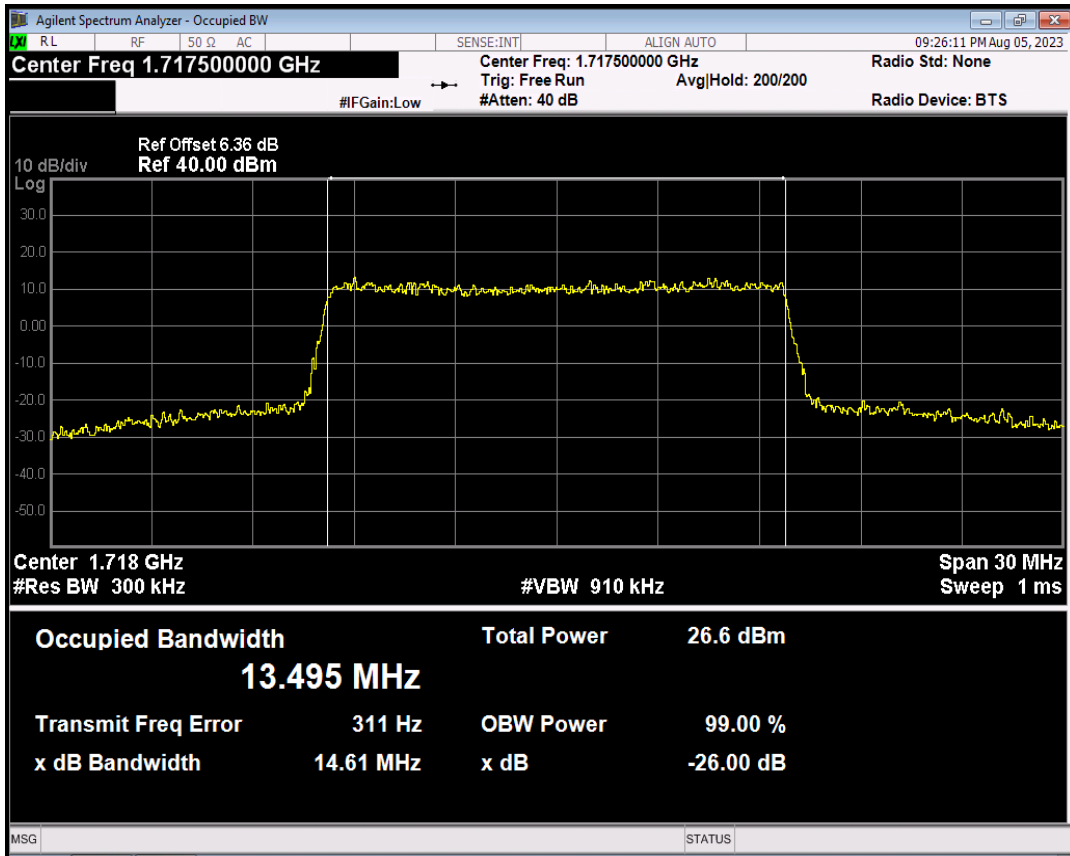


Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0

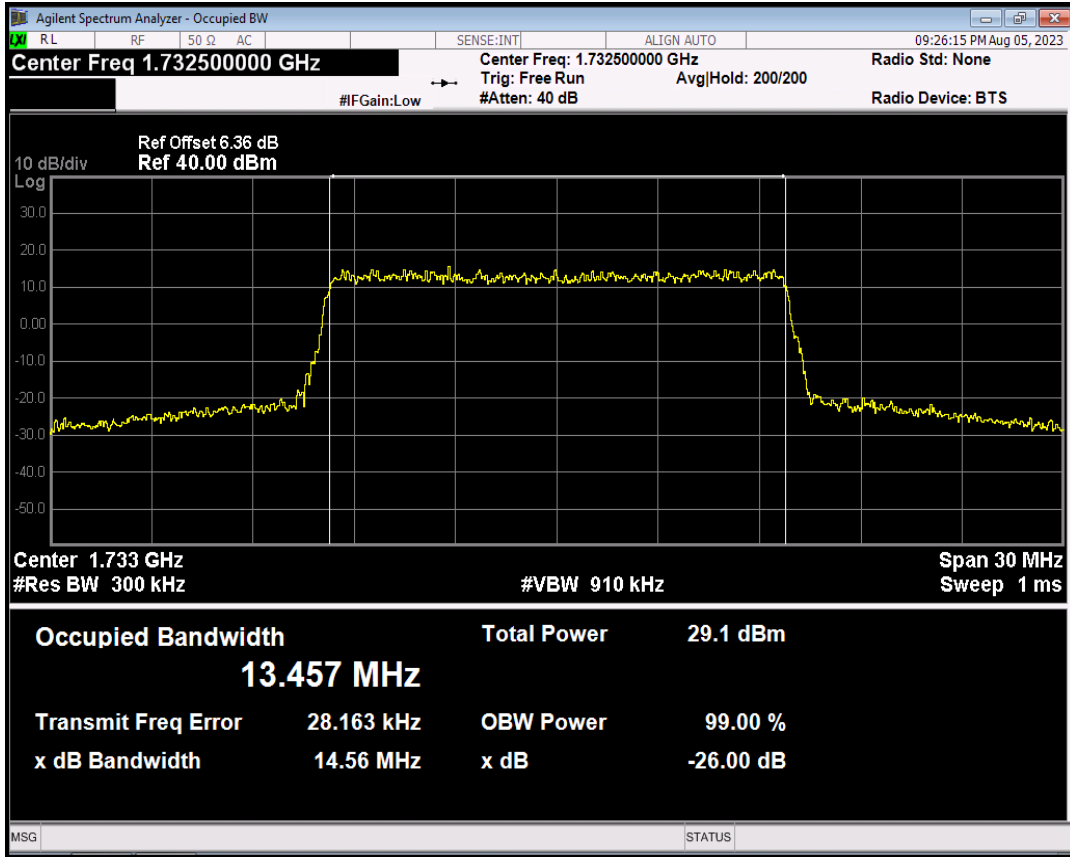




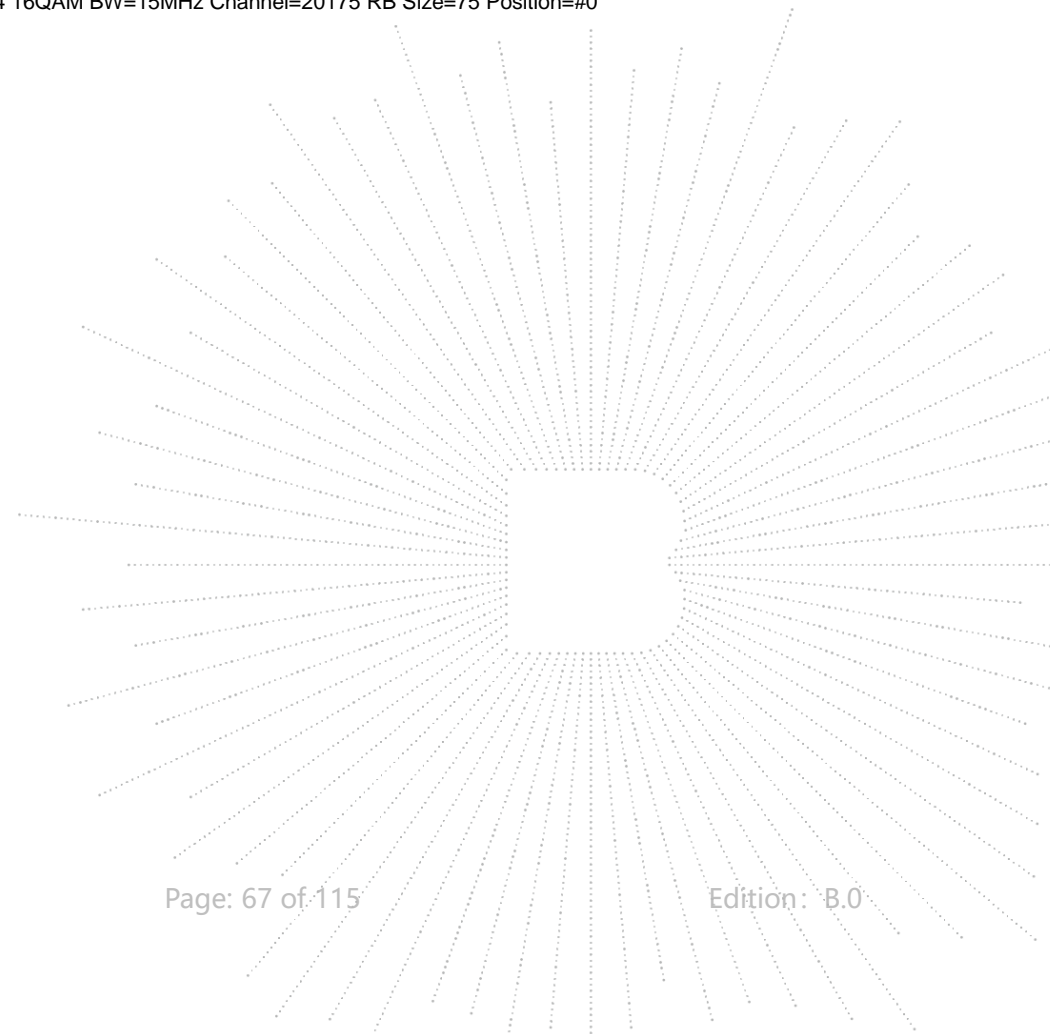
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0

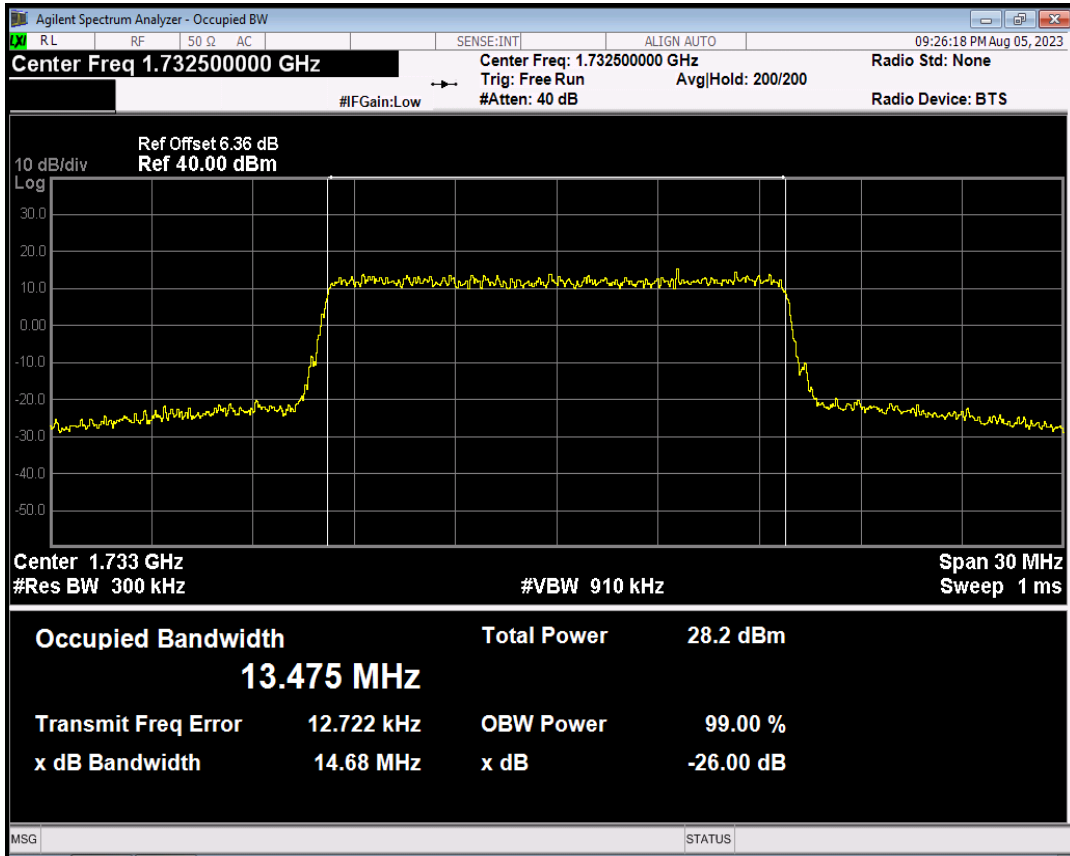


Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0

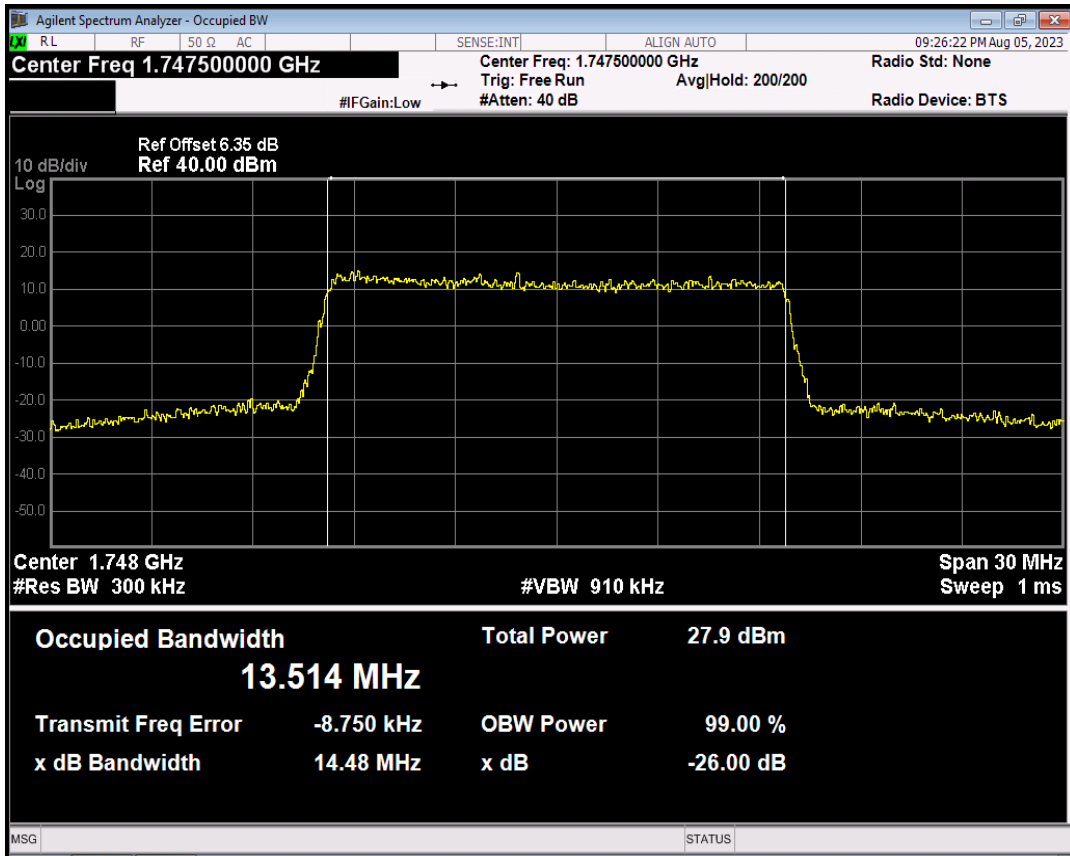


Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0



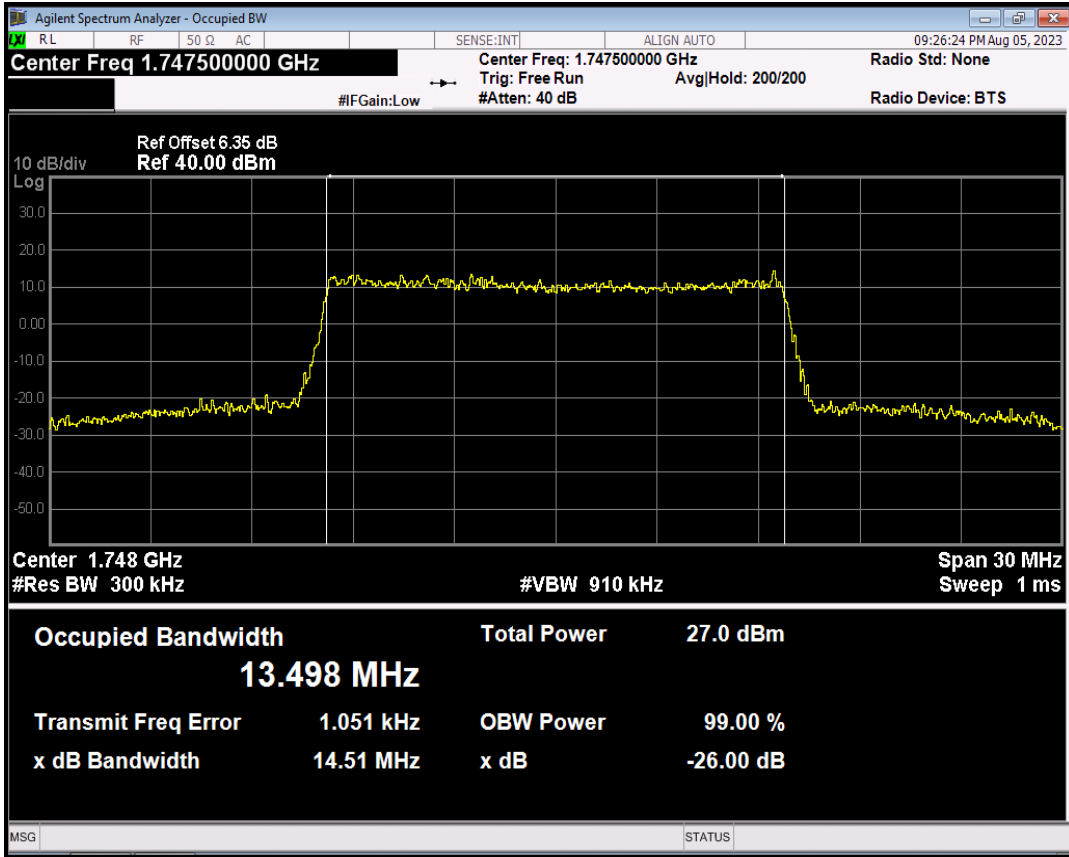


Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0

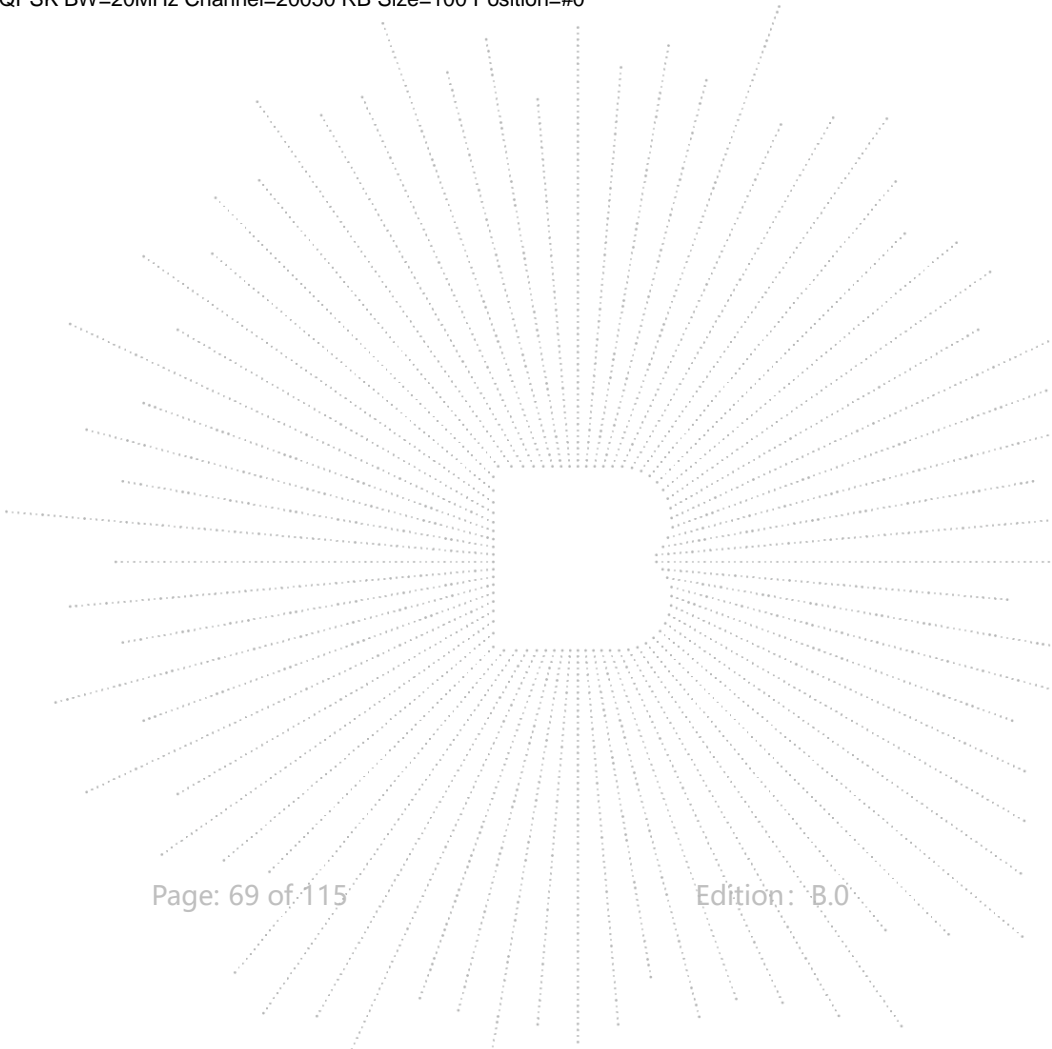


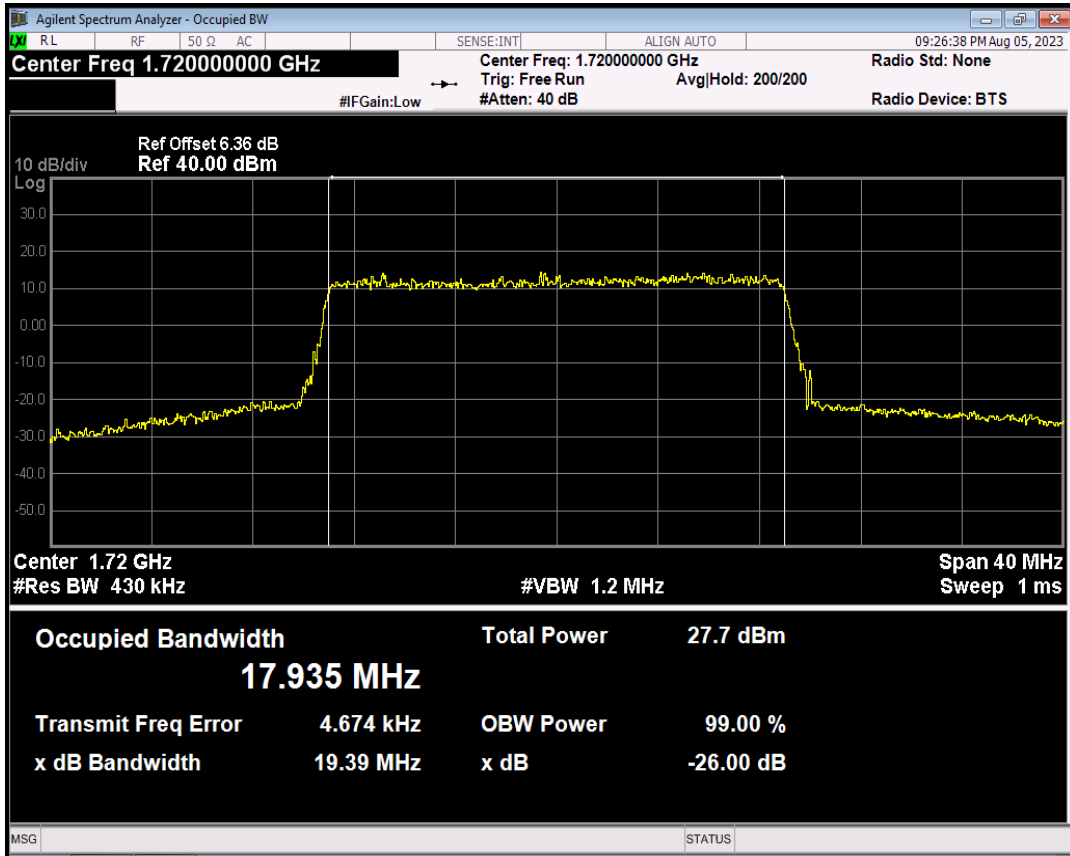


Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0

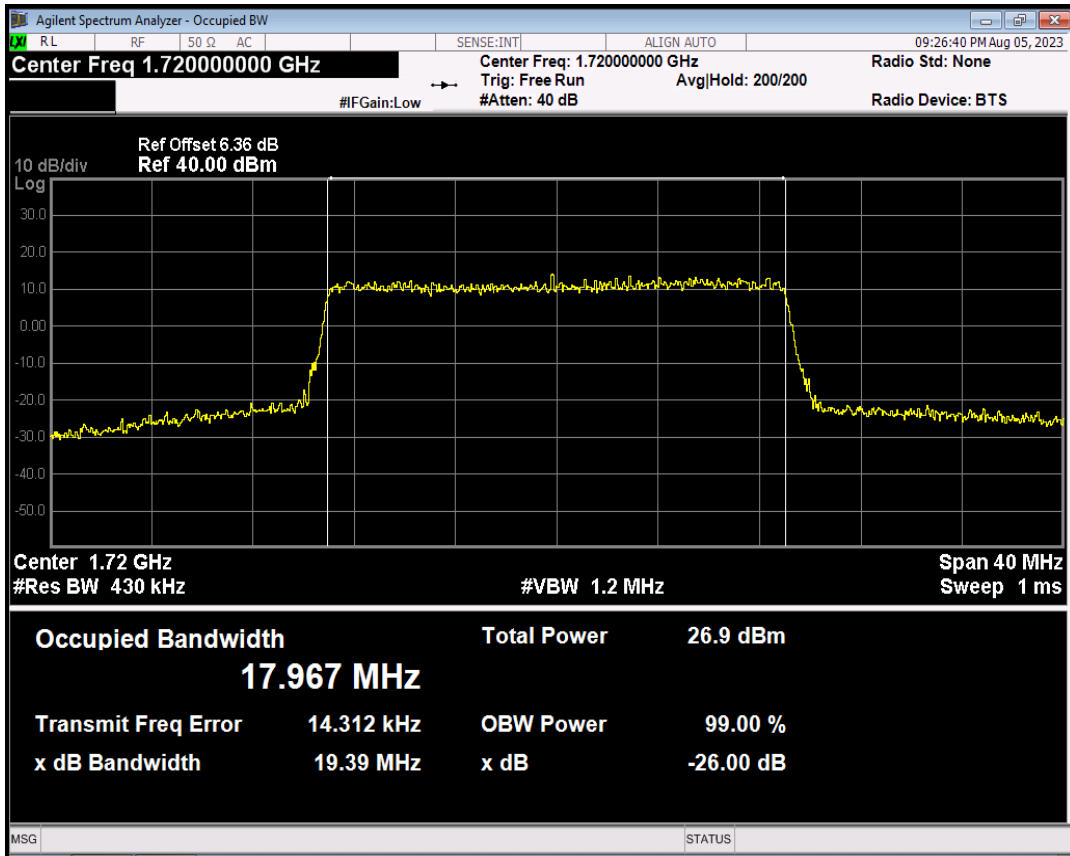


Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0

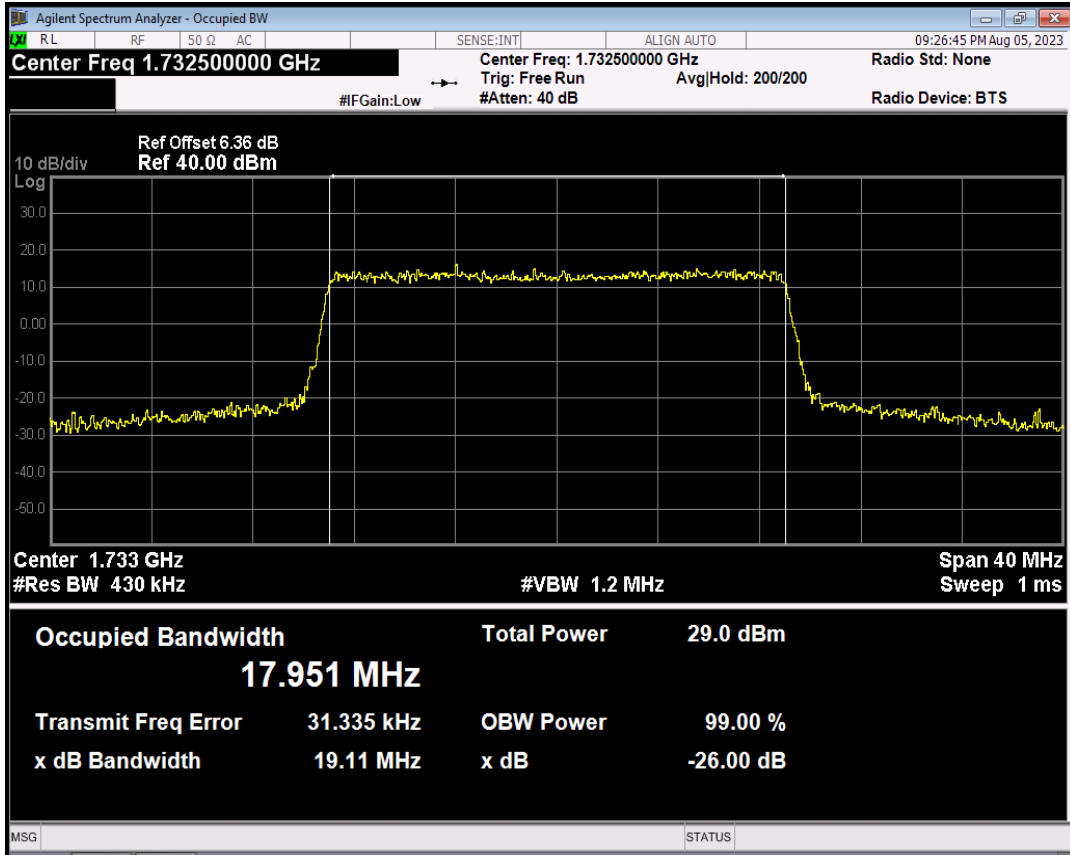




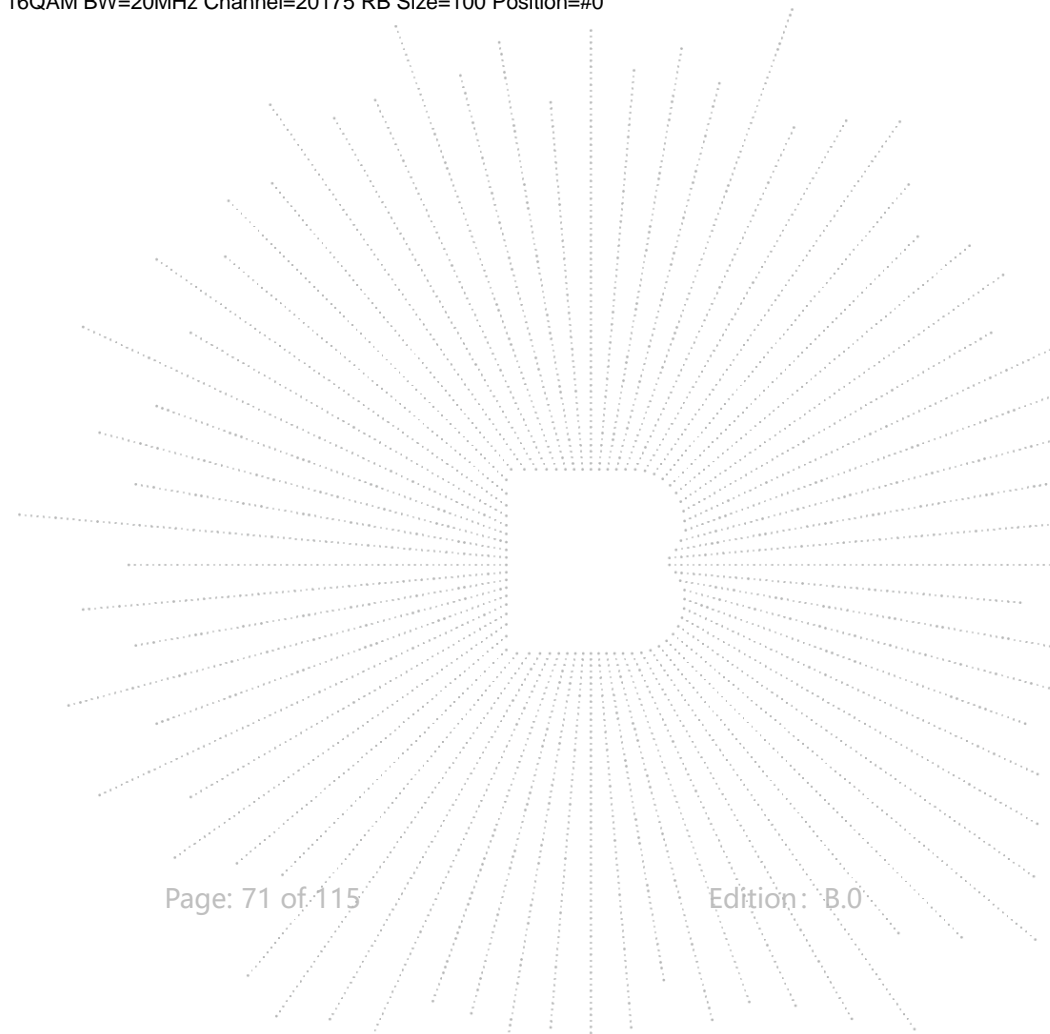
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0

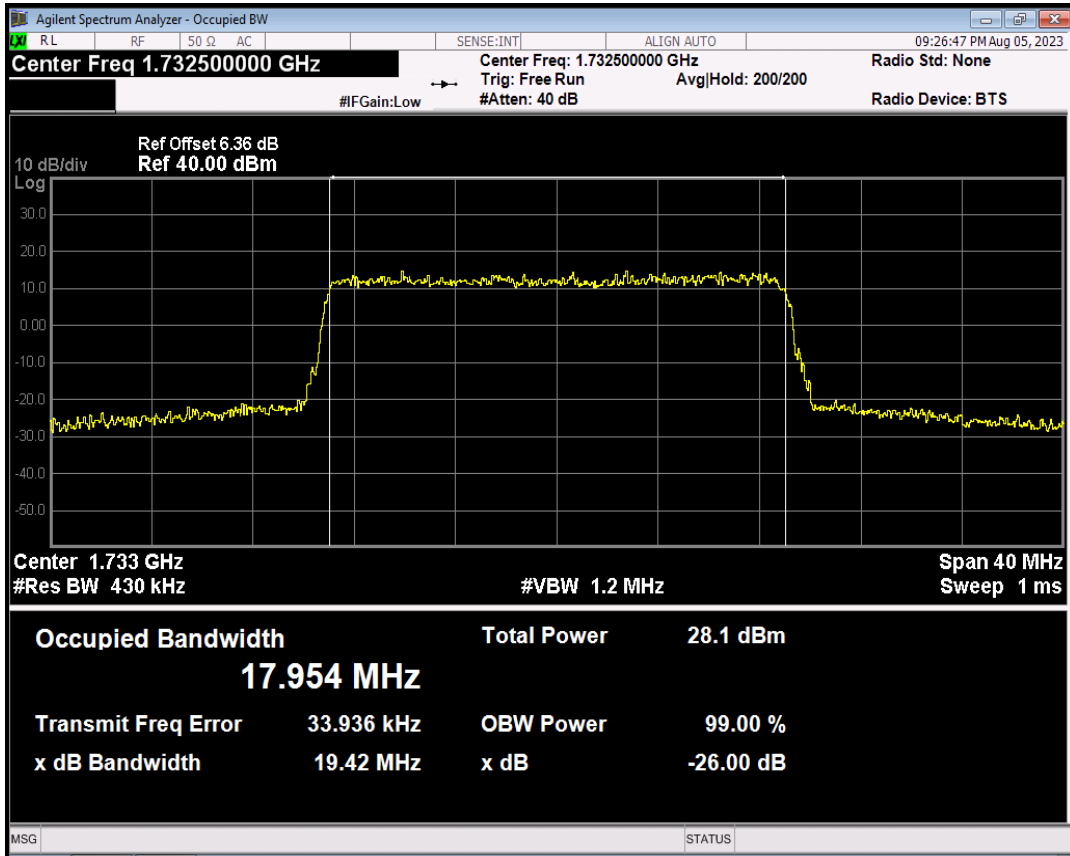


Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0

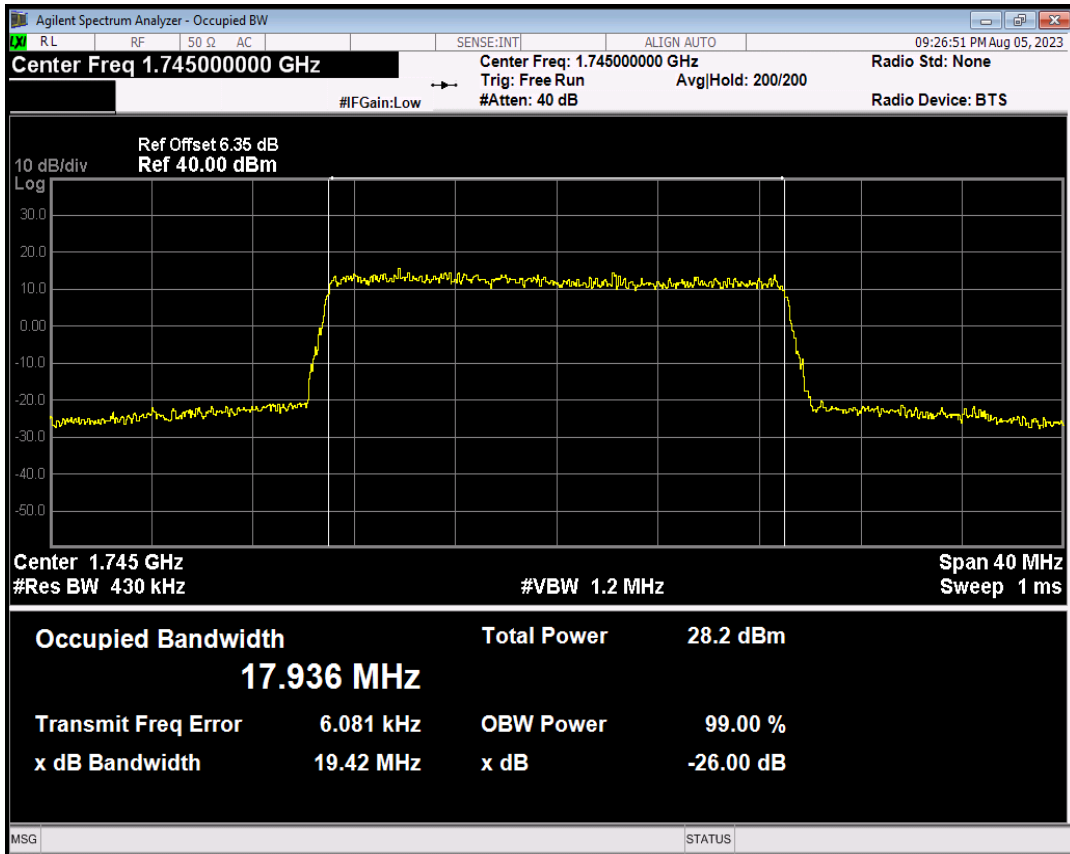


Band4 16QAM BW=20MHz Channel=20175 RB Size=100 Position=#0

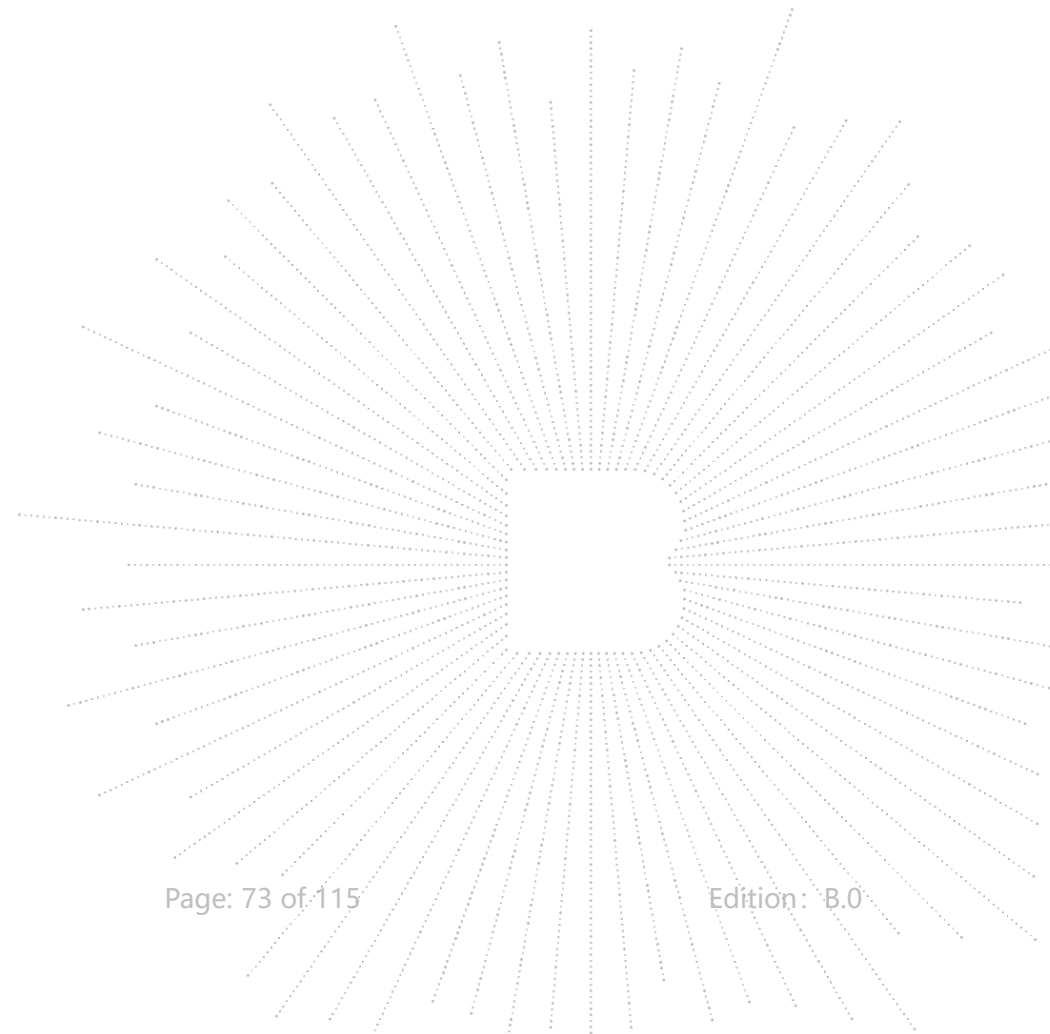
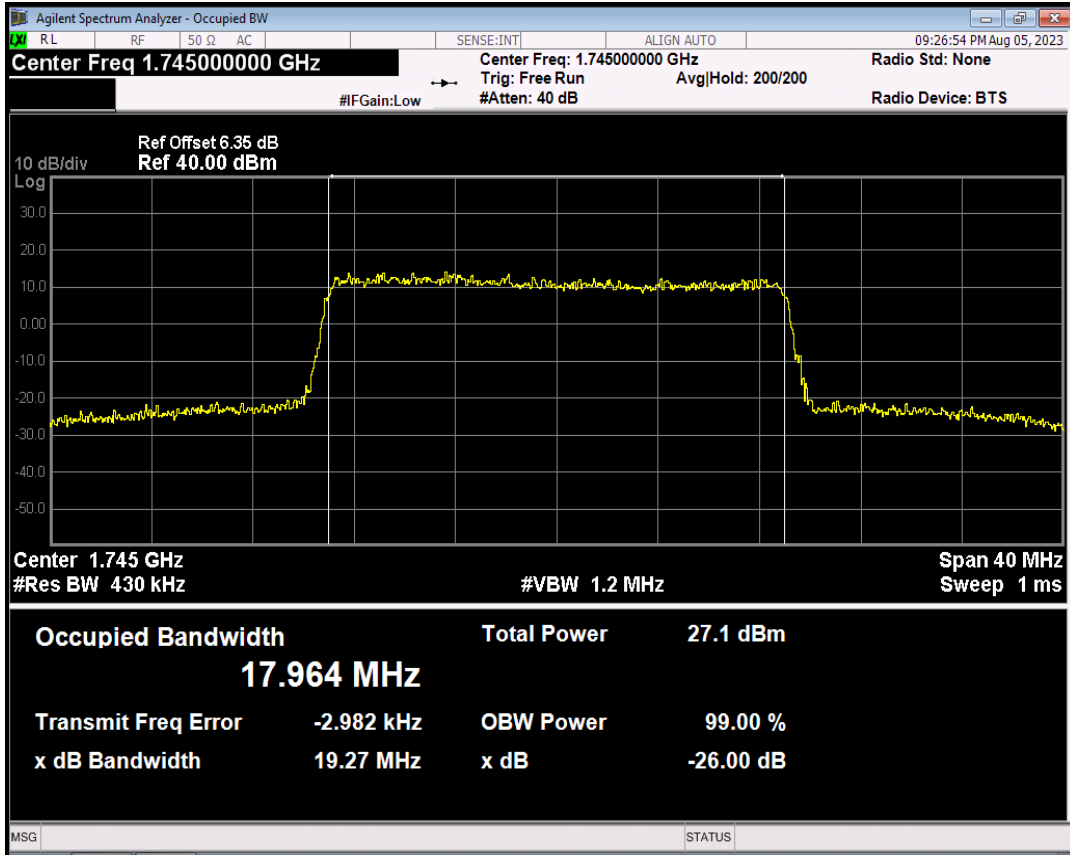




Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0



Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0



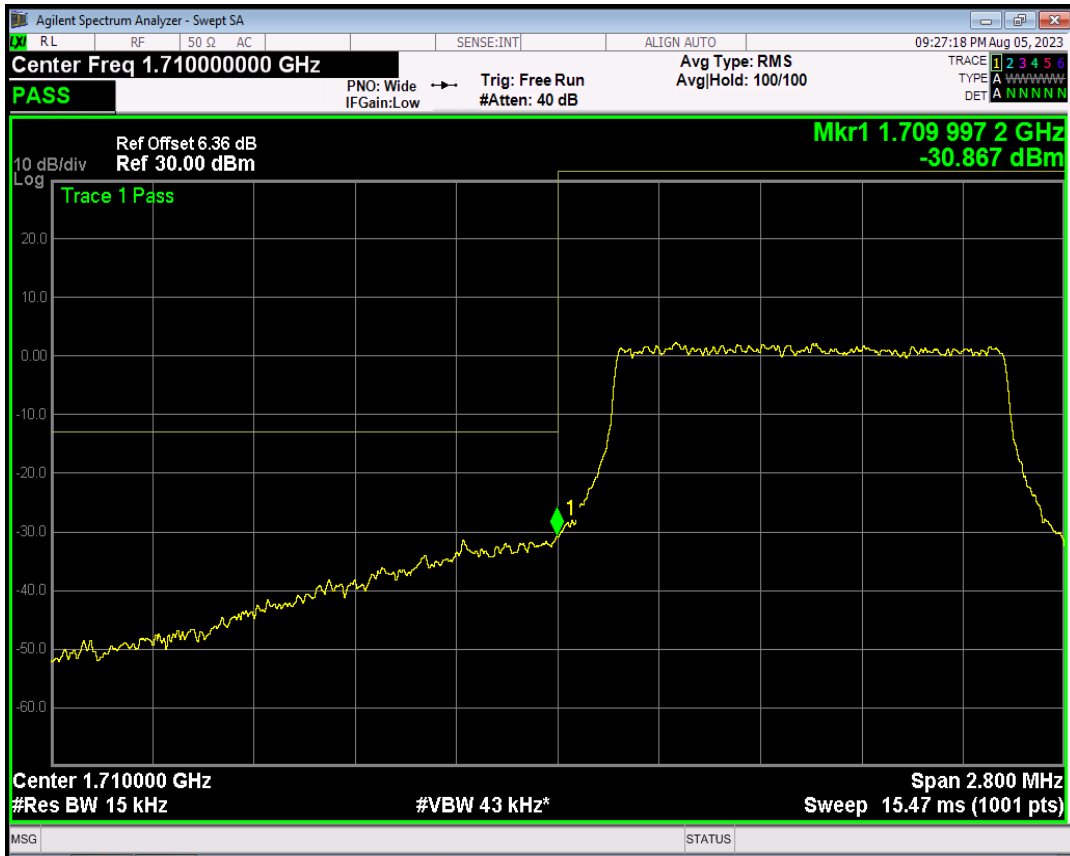
Appendix 5. Band edge

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band4	1.4	19957	6	#0	QPSK	1710.00	-29.58	-13	PASS
Band4	1.4	19957	6	#0	16QAM	1710.00	-30.86	-13	PASS
Band4	1.4	20393	6	#0	QPSK	1755.01	-29.85	-13	PASS
Band4	1.4	20393	6	#0	16QAM	1755.00	-30.35	-13	PASS
Band4	3	19965	15	#0	QPSK	1710.00	-29.81	-13	PASS
Band4	3	19965	15	#0	16QAM	1709.97	-31.82	-13	PASS
Band4	3	20385	15	#0	QPSK	1755.02	-30.48	-13	PASS
Band4	3	20385	15	#0	16QAM	1755.01	-30.95	-13	PASS
Band4	5	19975	25	#0	QPSK	1710.00	-29.48	-13	PASS
Band4	5	19975	25	#0	16QAM	1710.00	-30.33	-13	PASS
Band4	5	20375	25	#0	QPSK	1755.02	-30.27	-13	PASS
Band4	5	20375	25	#0	16QAM	1755.00	-30.75	-13	PASS
Band4	10	20000	50	#0	QPSK	1710.00	-31.63	-13	PASS
Band4	10	20000	50	#0	16QAM	1709.88	-31.92	-13	PASS
Band4	10	20350	50	#0	QPSK	1755.04	-30.49	-13	PASS
Band4	10	20350	50	#0	16QAM	1755.02	-31.63	-13	PASS
Band4	15	20025	75	#0	QPSK	1709.52	-31.98	-13	PASS
Band4	15	20025	75	#0	16QAM	1709.25	-32.04	-13	PASS
Band4	15	20325	75	#0	QPSK	1755.03	-32.08	-13	PASS
Band4	15	20325	75	#0	16QAM	1755.57	-32.72	-13	PASS
Band4	20	20050	100	#0	QPSK	1709.92	-31.94	-13	PASS
Band4	20	20050	100	#0	16QAM	1709.56	-32.87	-13	PASS
Band4	20	20300	100	#0	QPSK	1755.20	-32.27	-13	PASS
Band4	20	20300	100	#0	16QAM	1755.24	-33.38	-13	PASS

Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0

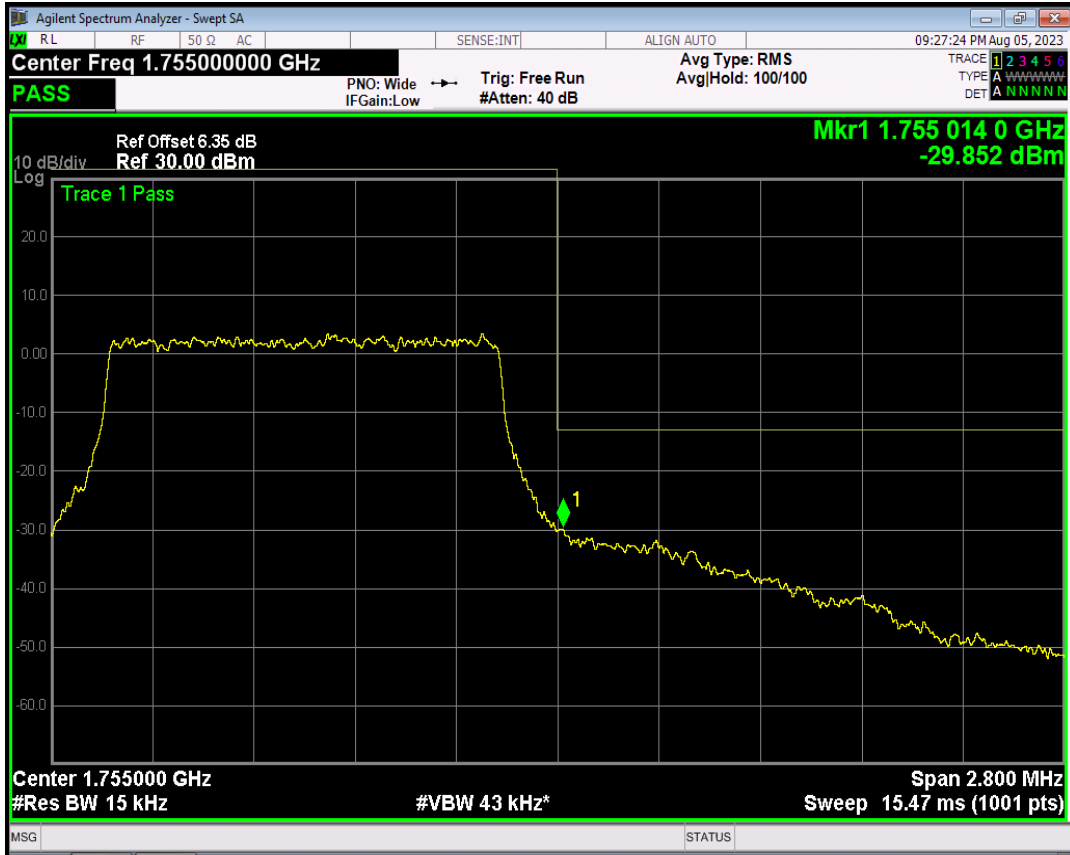


Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0

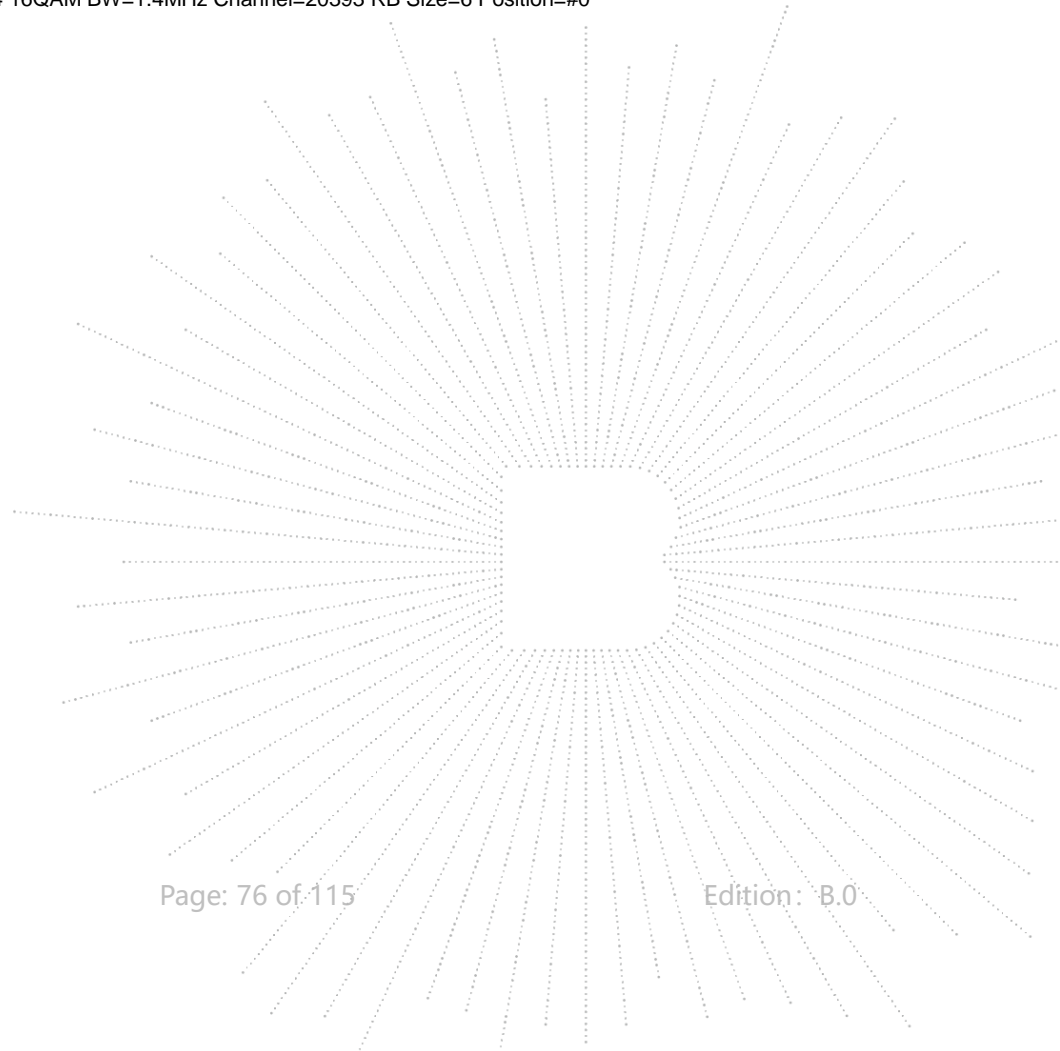




Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0

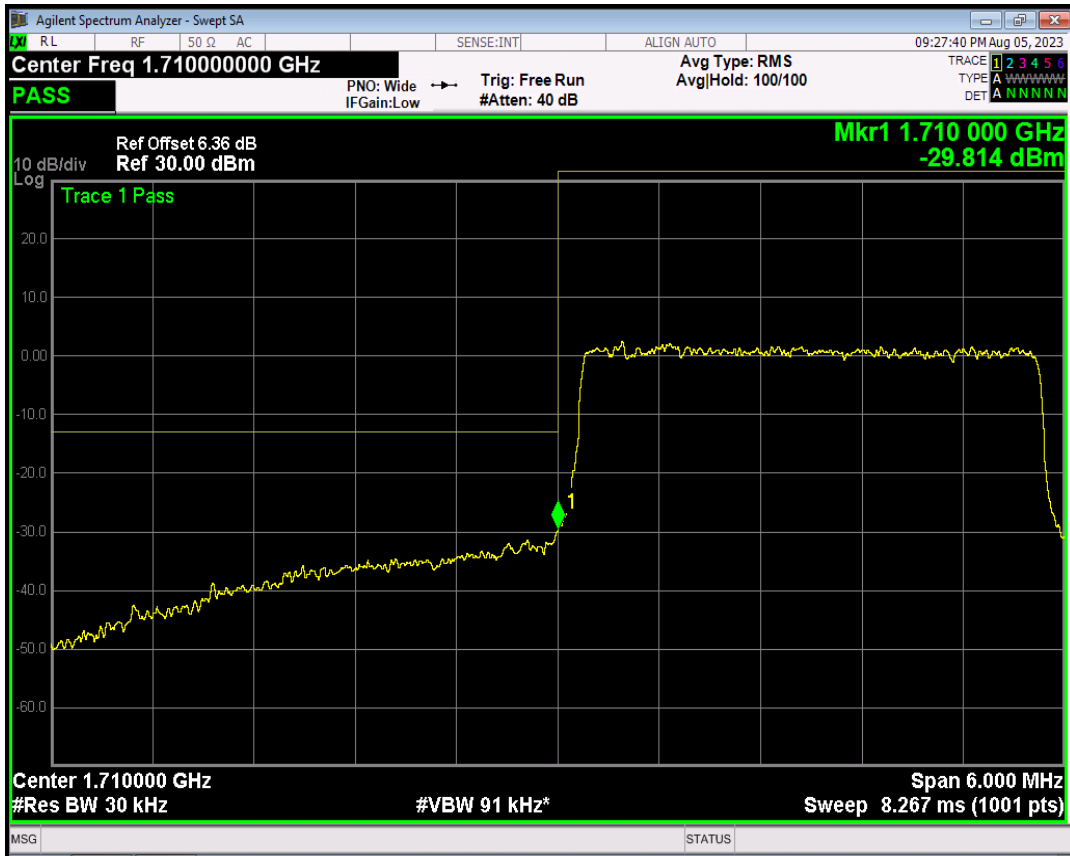


Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



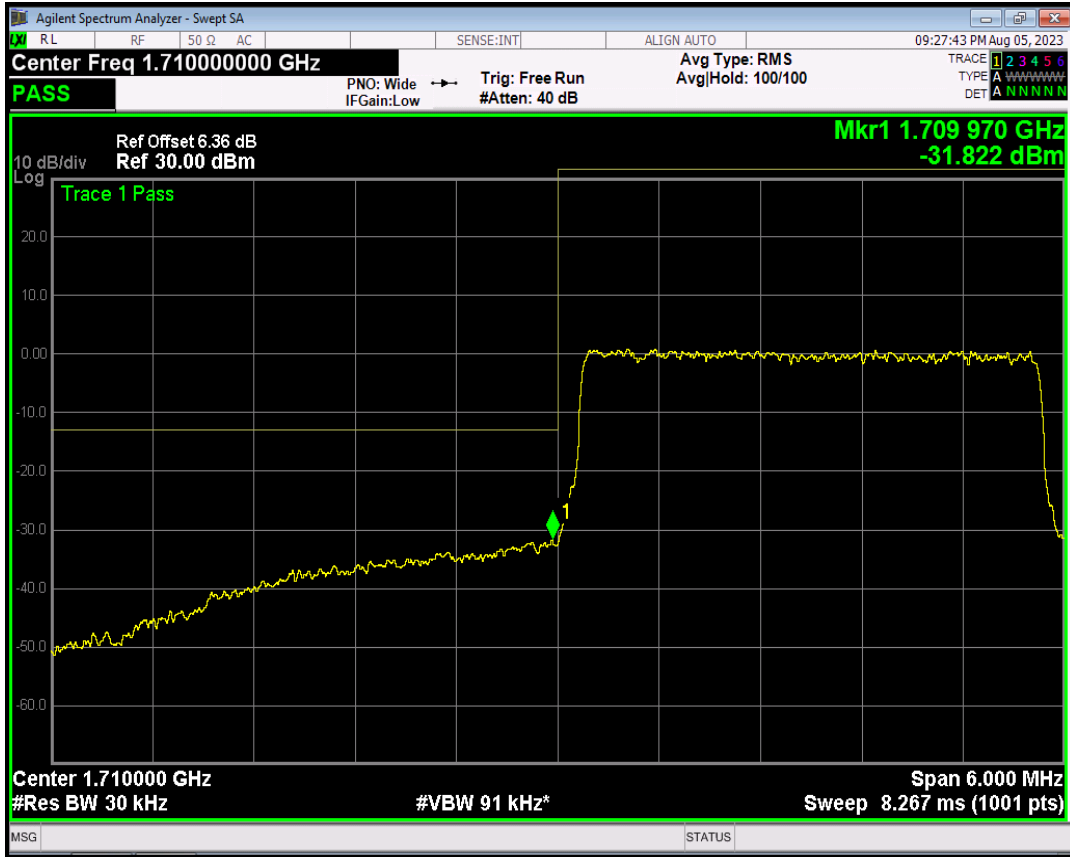


Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0

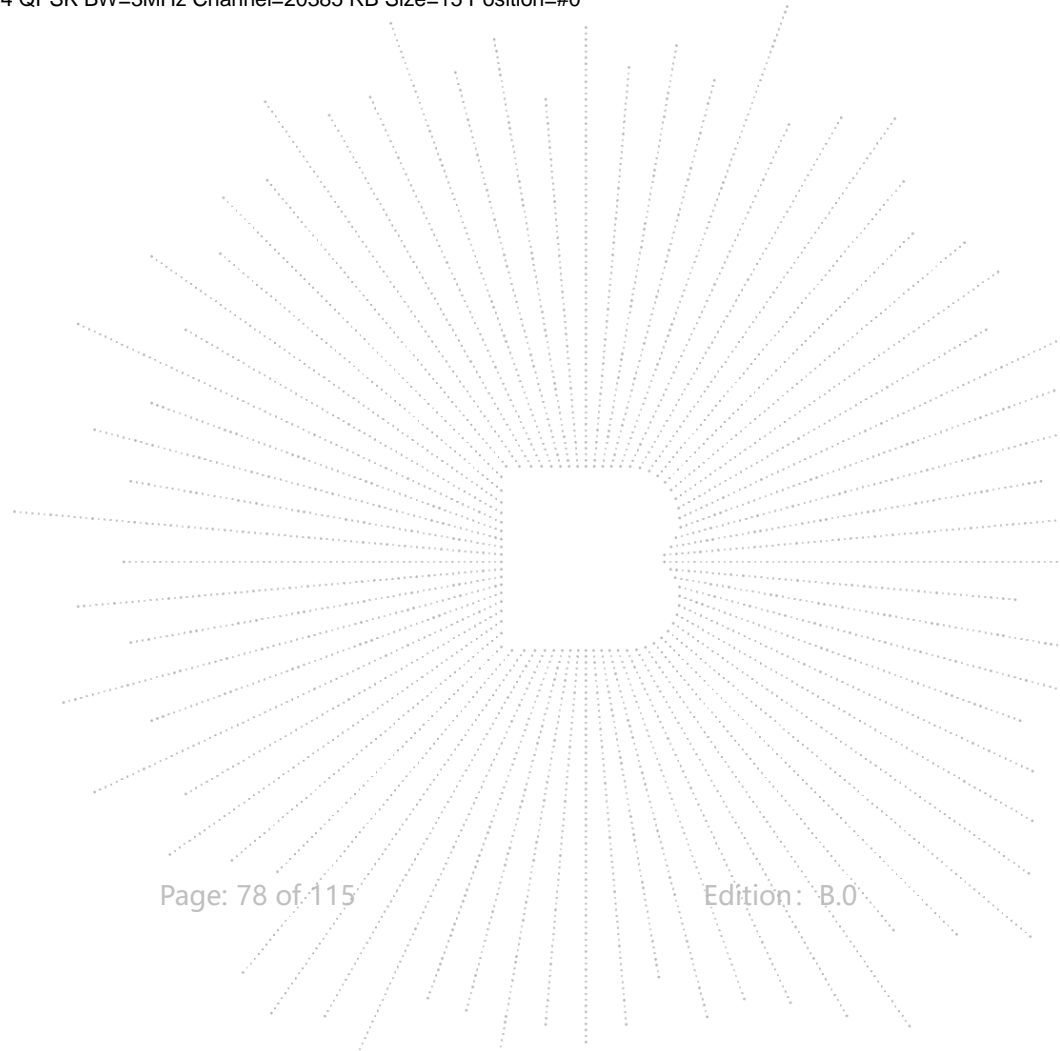




Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0

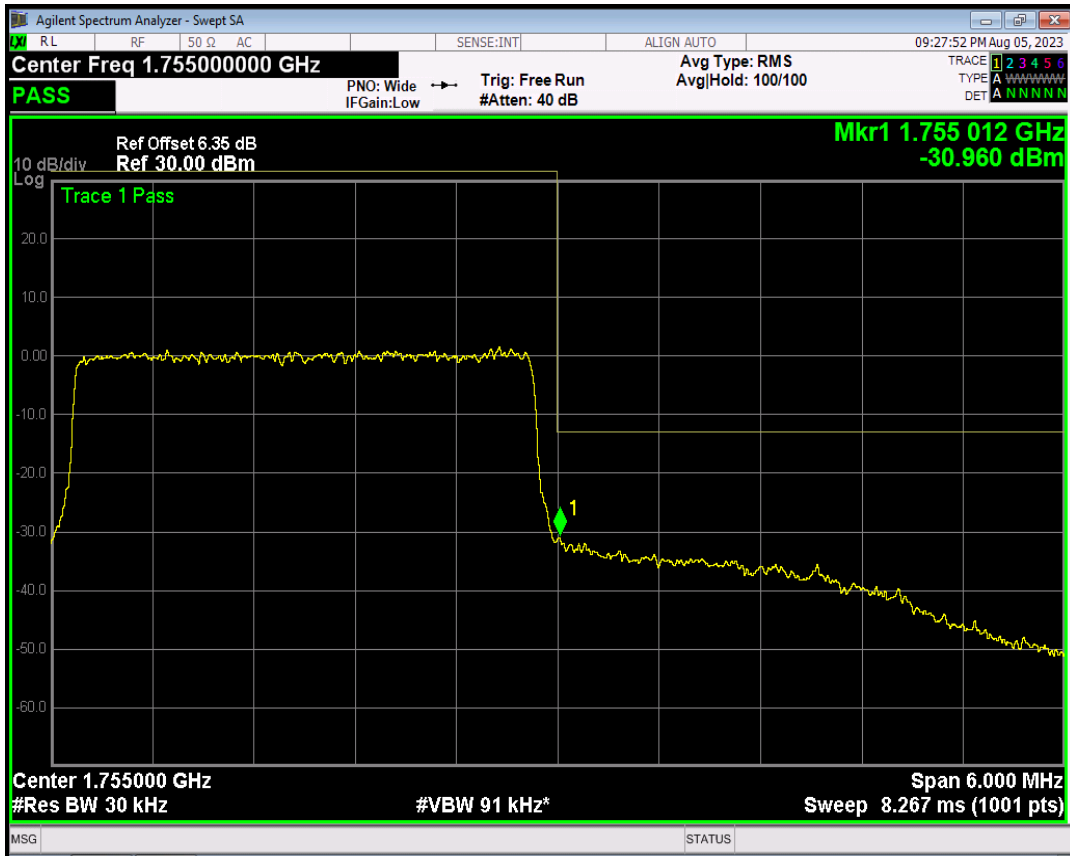


Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



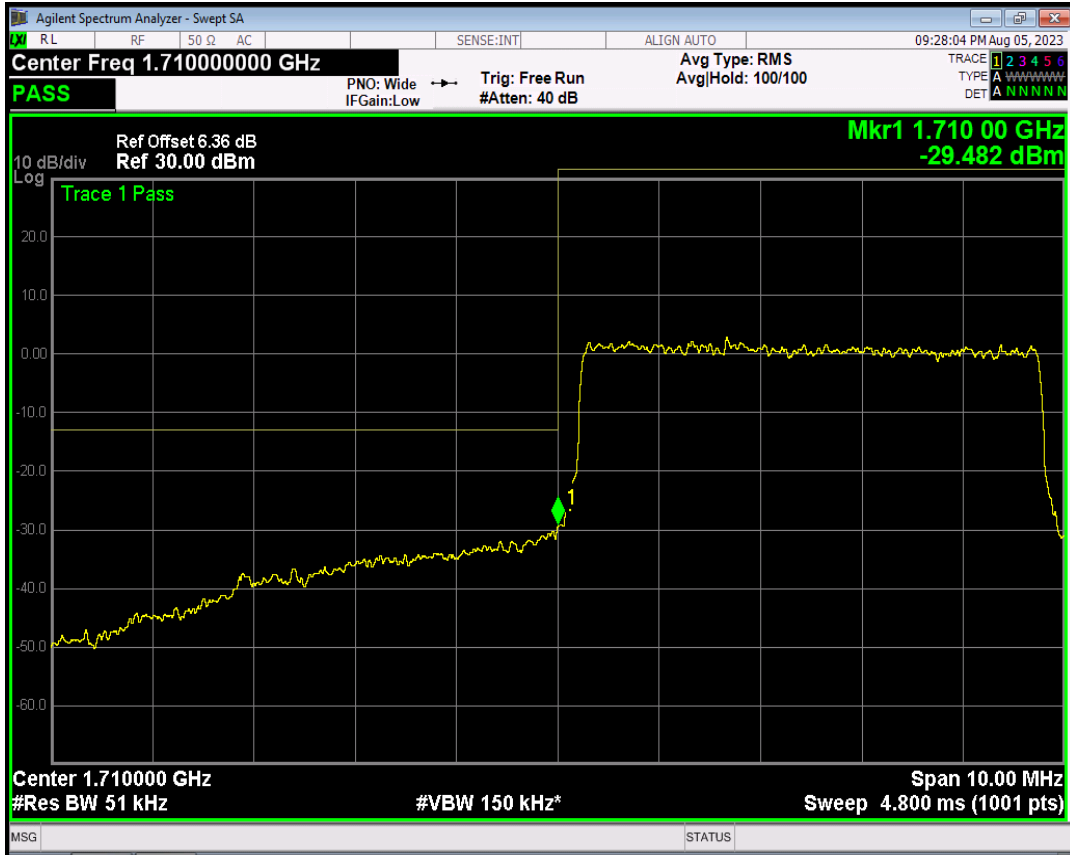


Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0

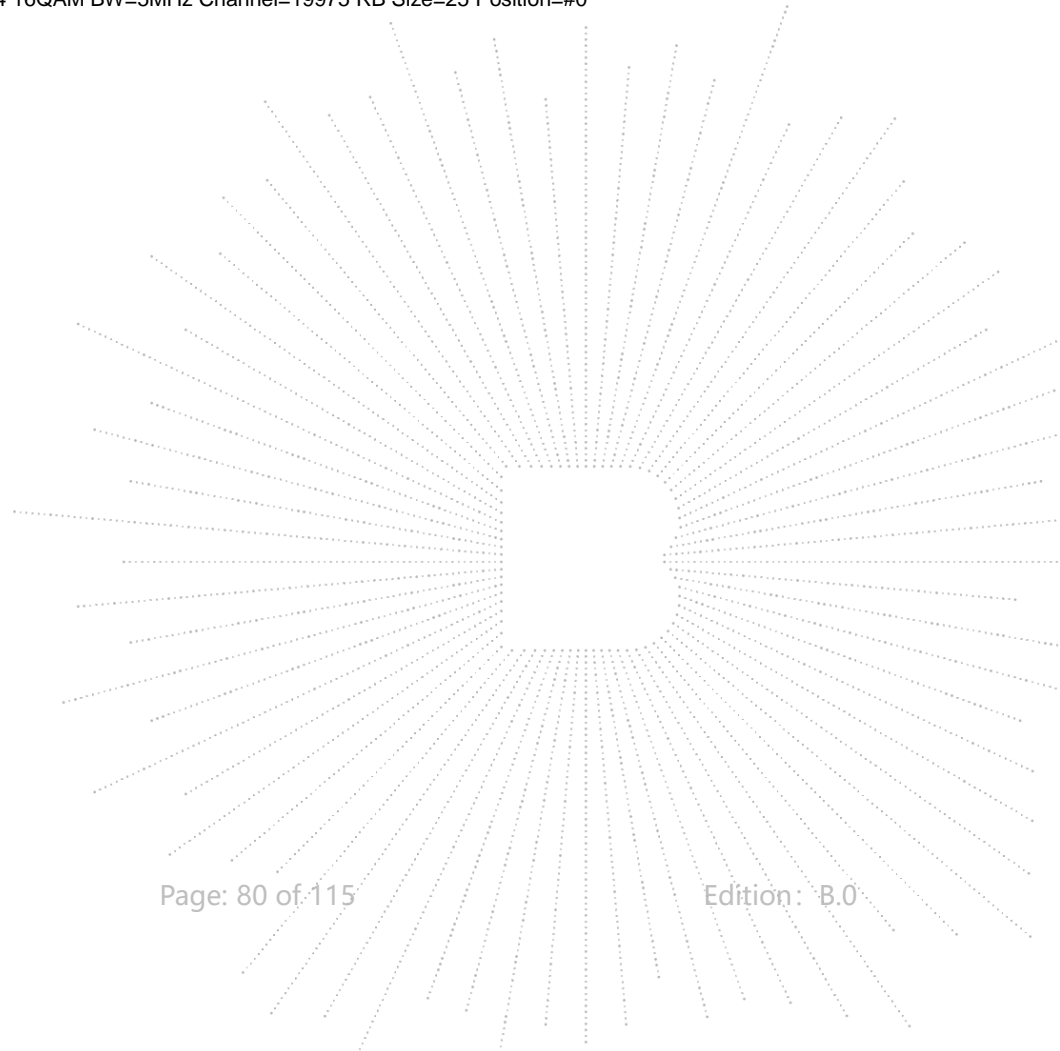


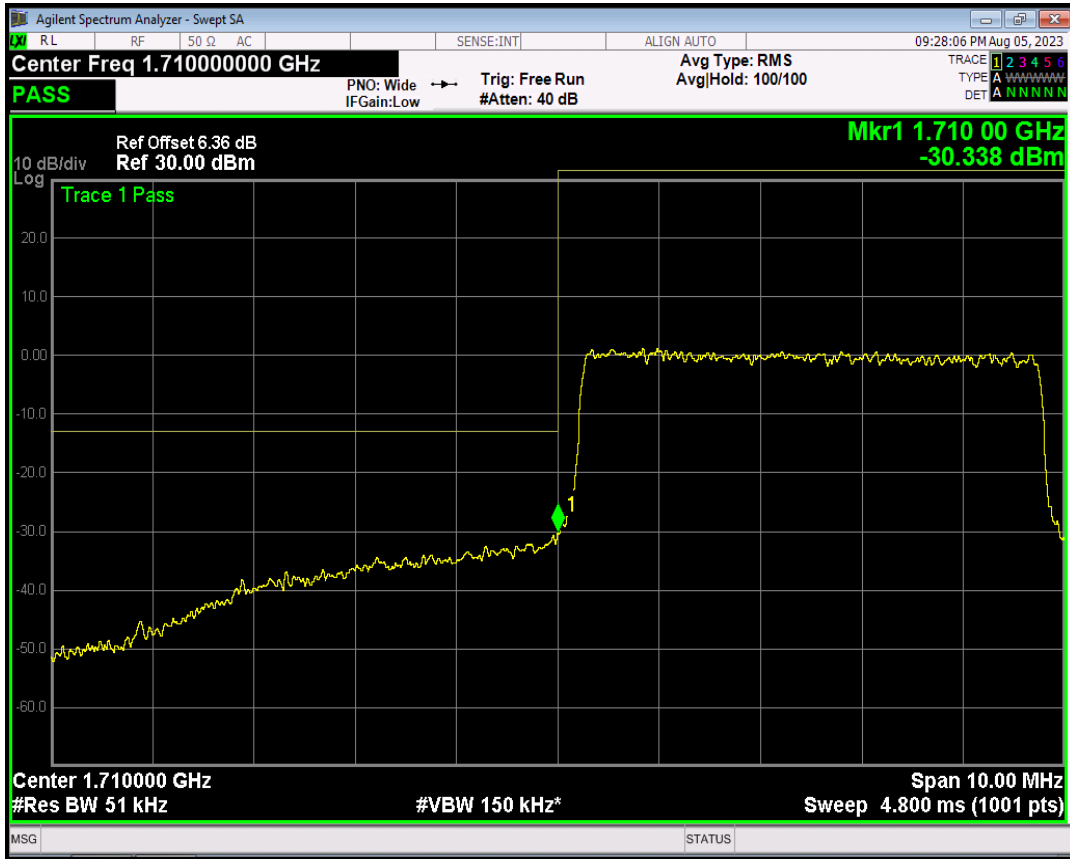


Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0

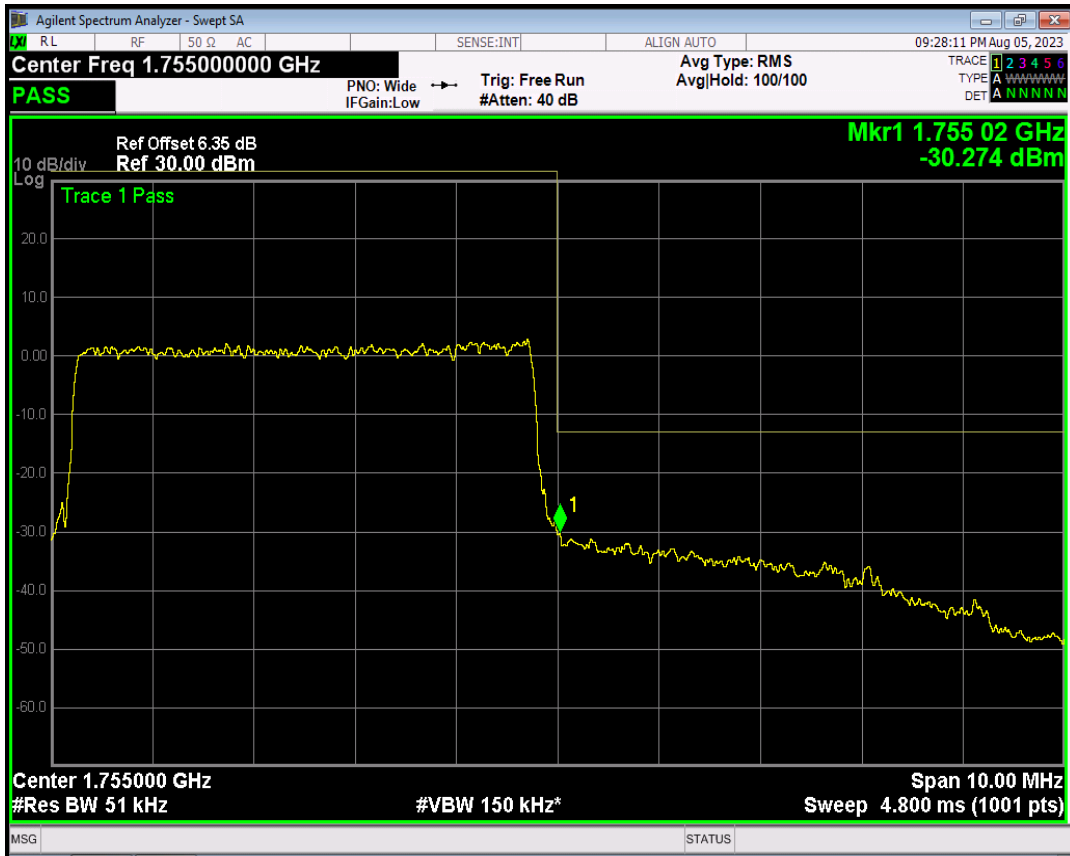


Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



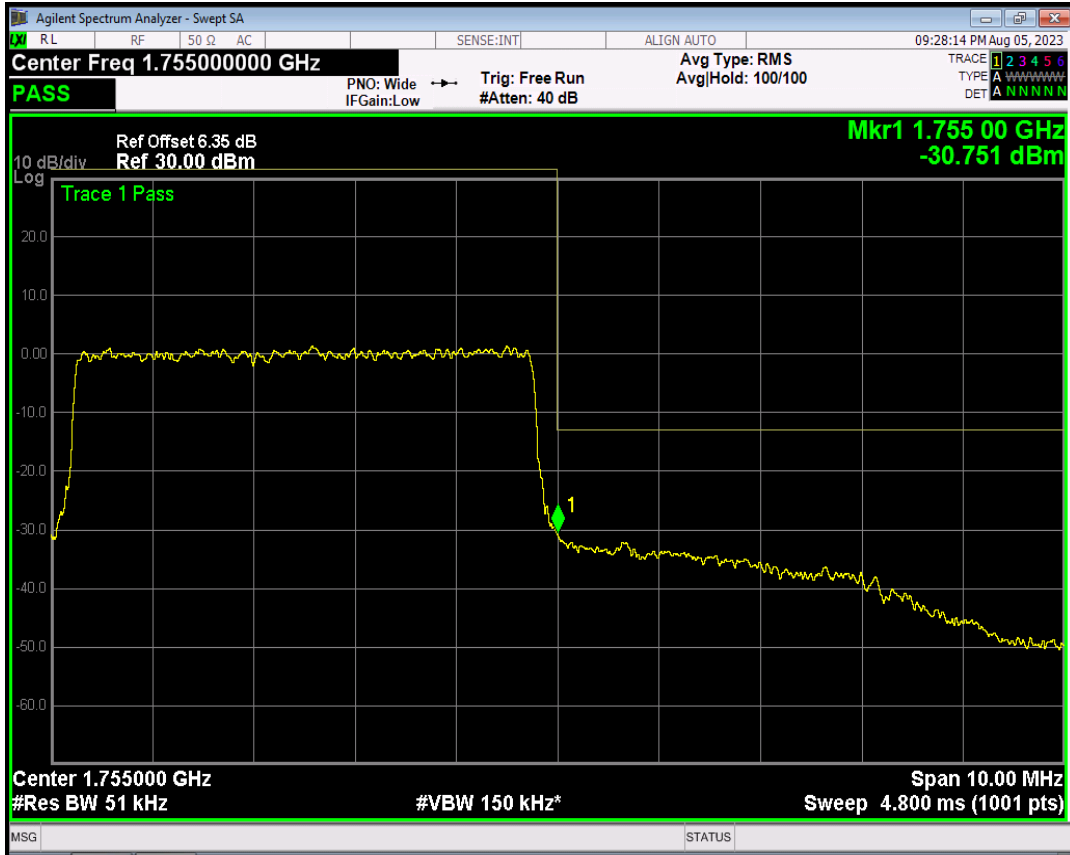


Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0

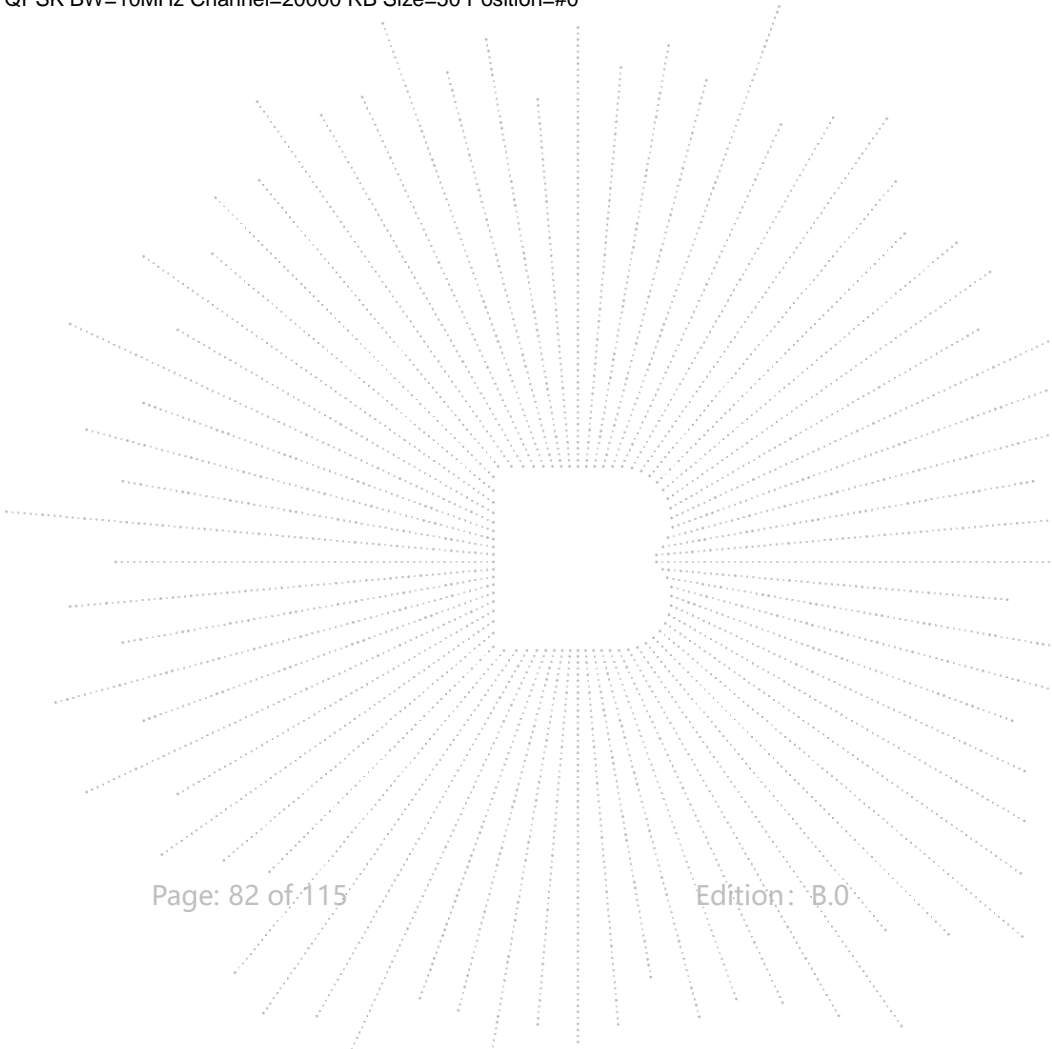


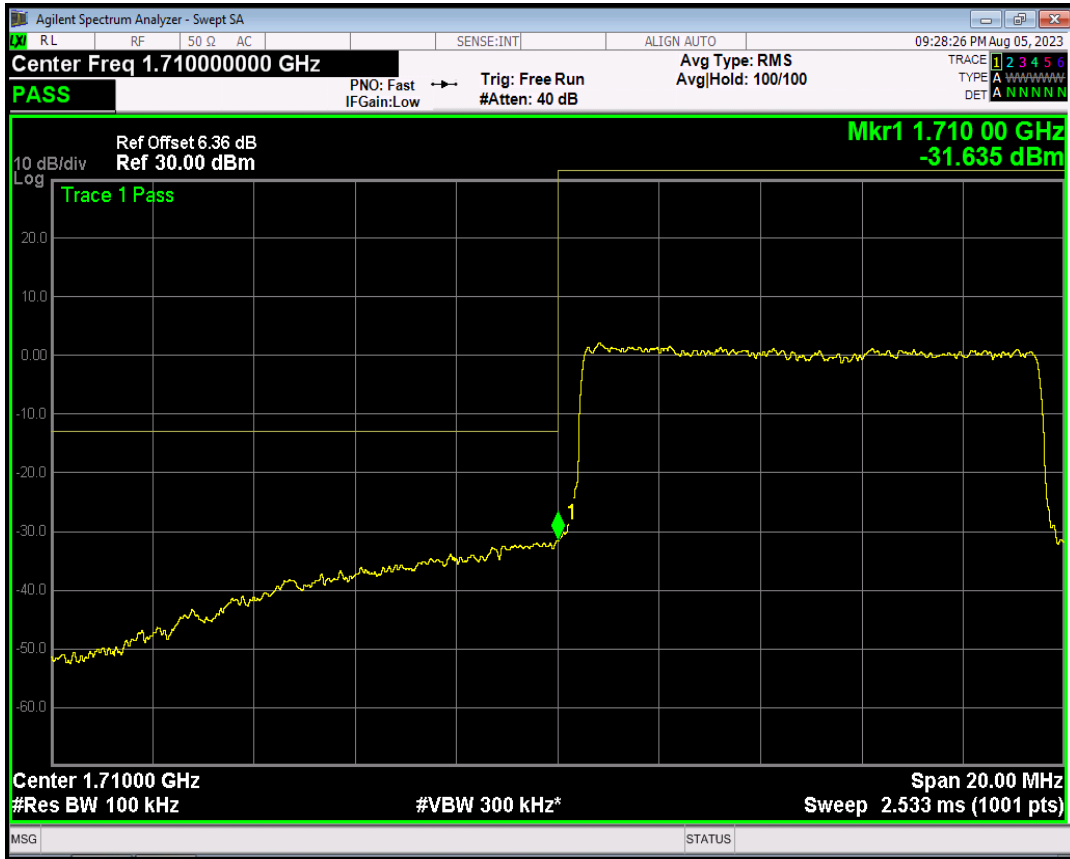


Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0

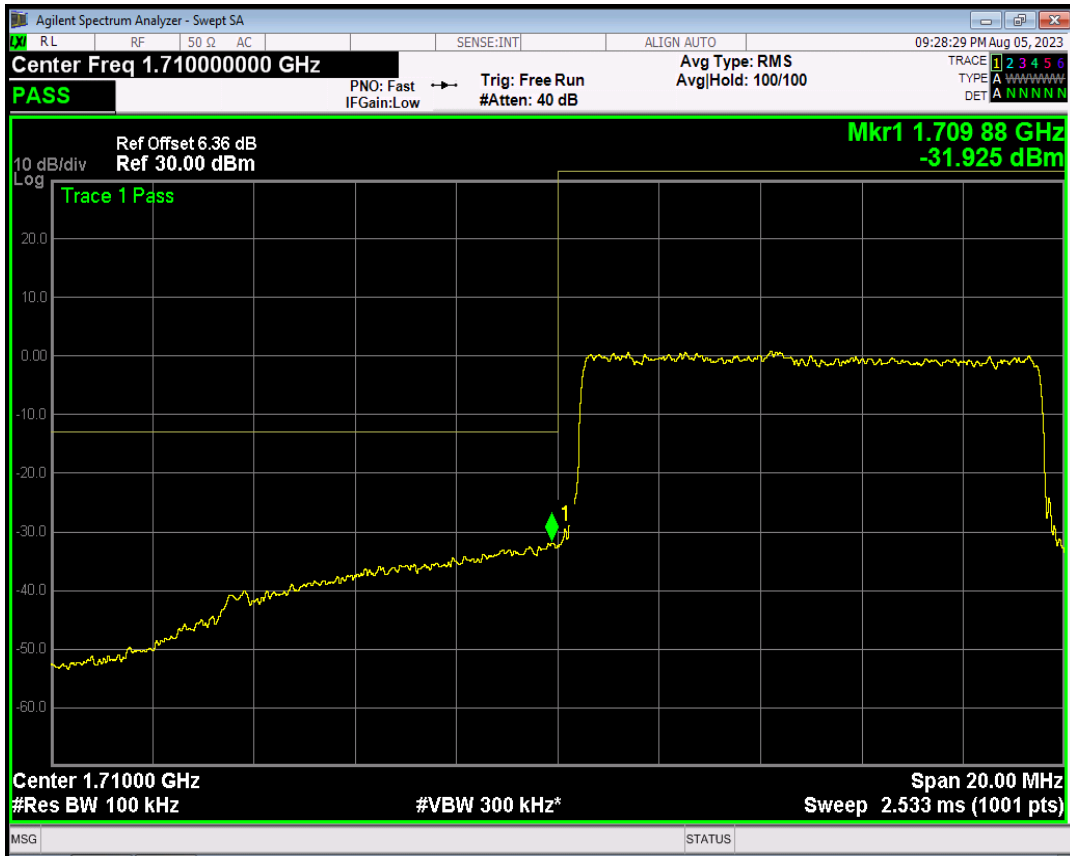


Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0





Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0

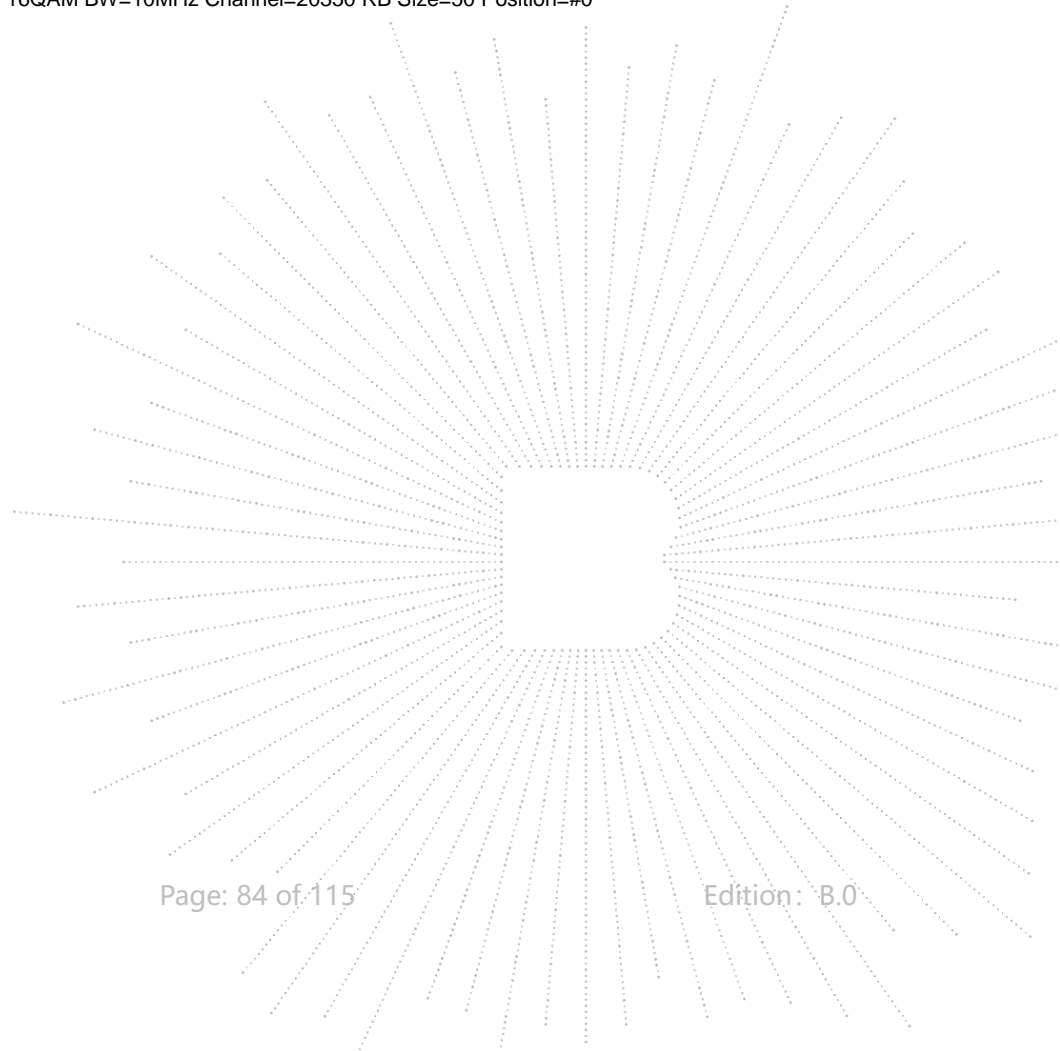




Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0

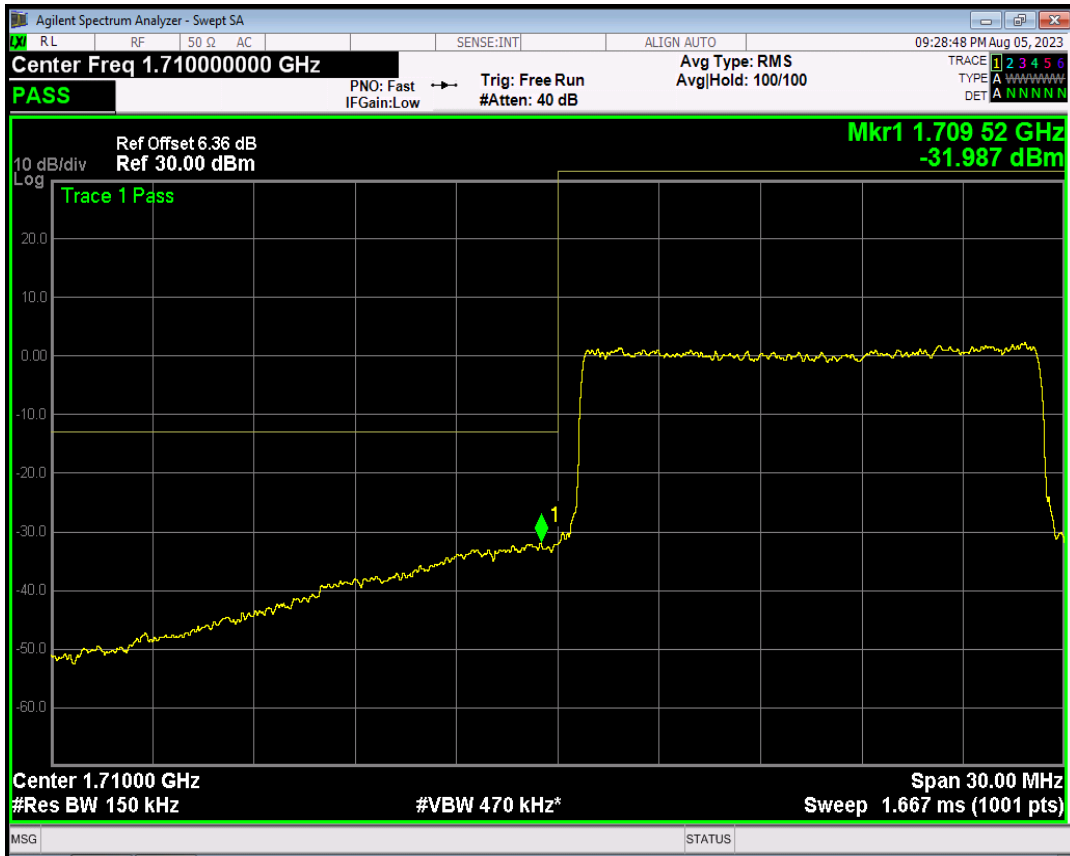


Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0



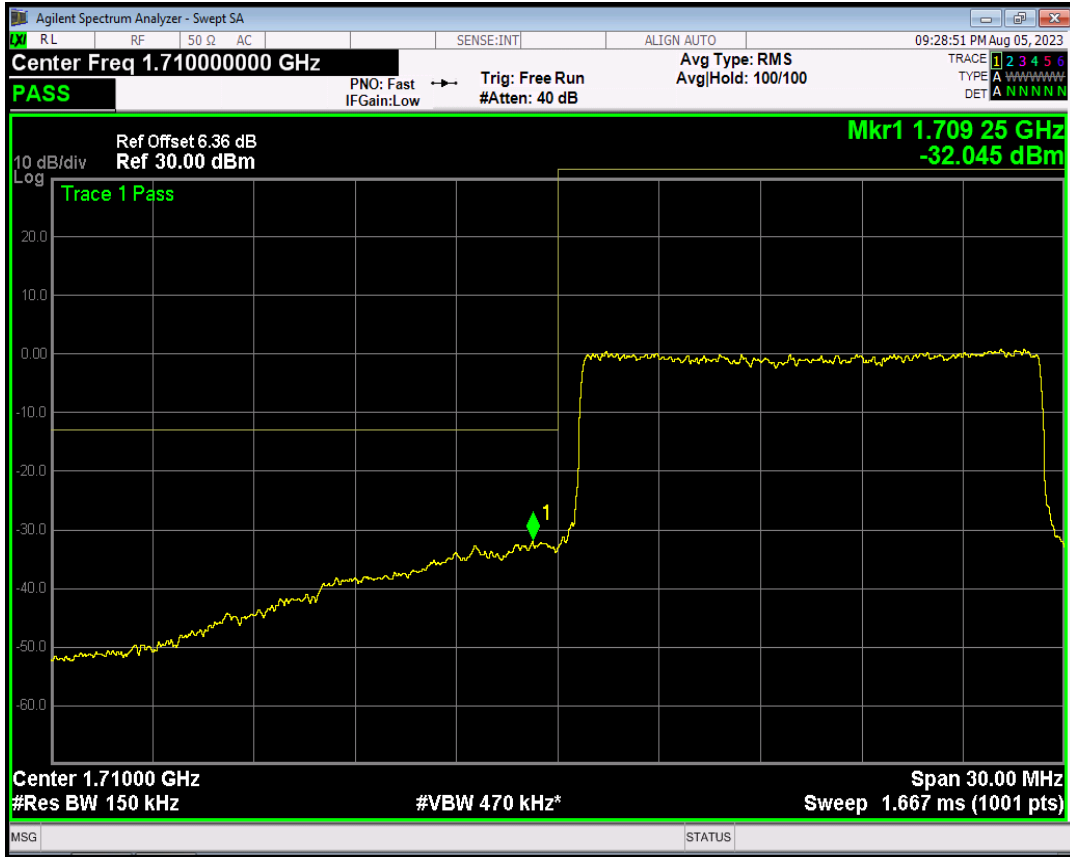


Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0

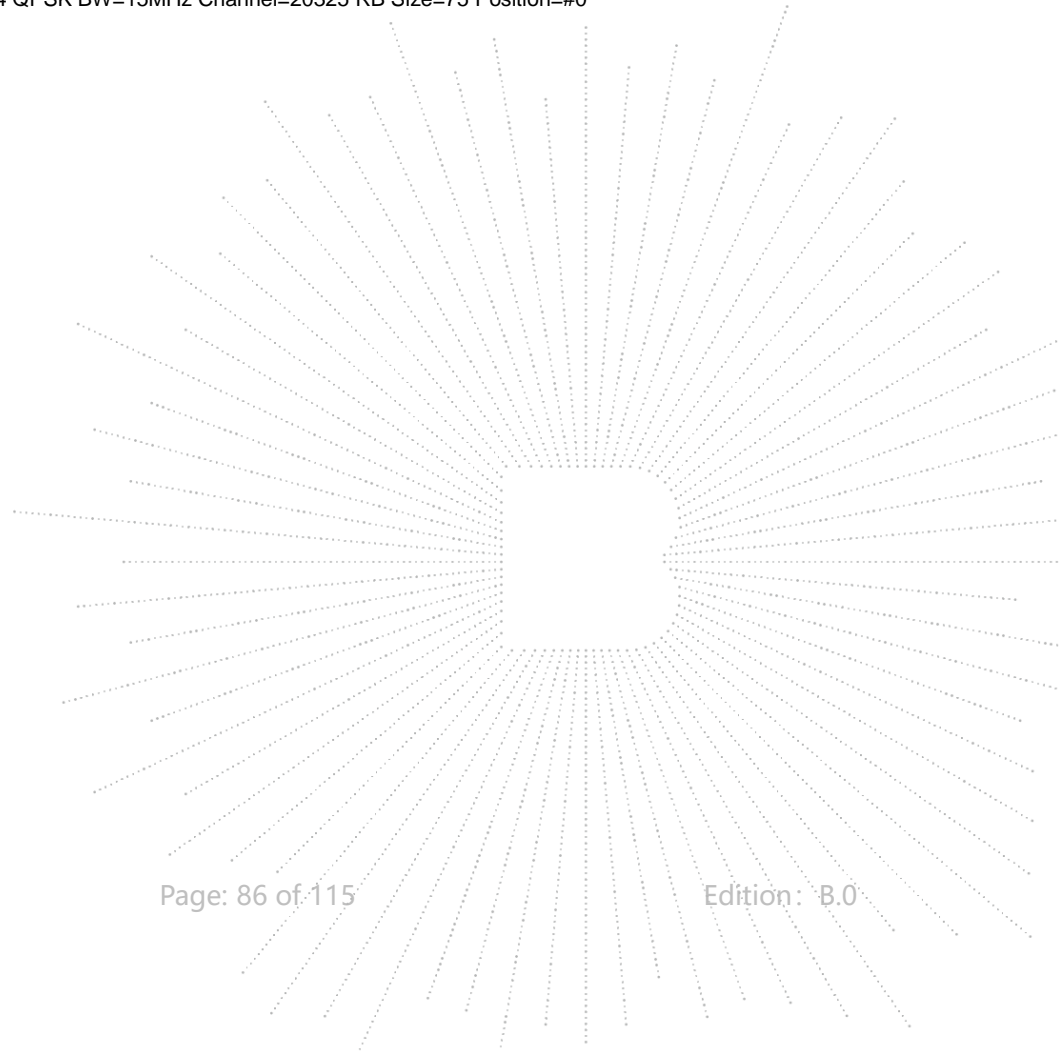


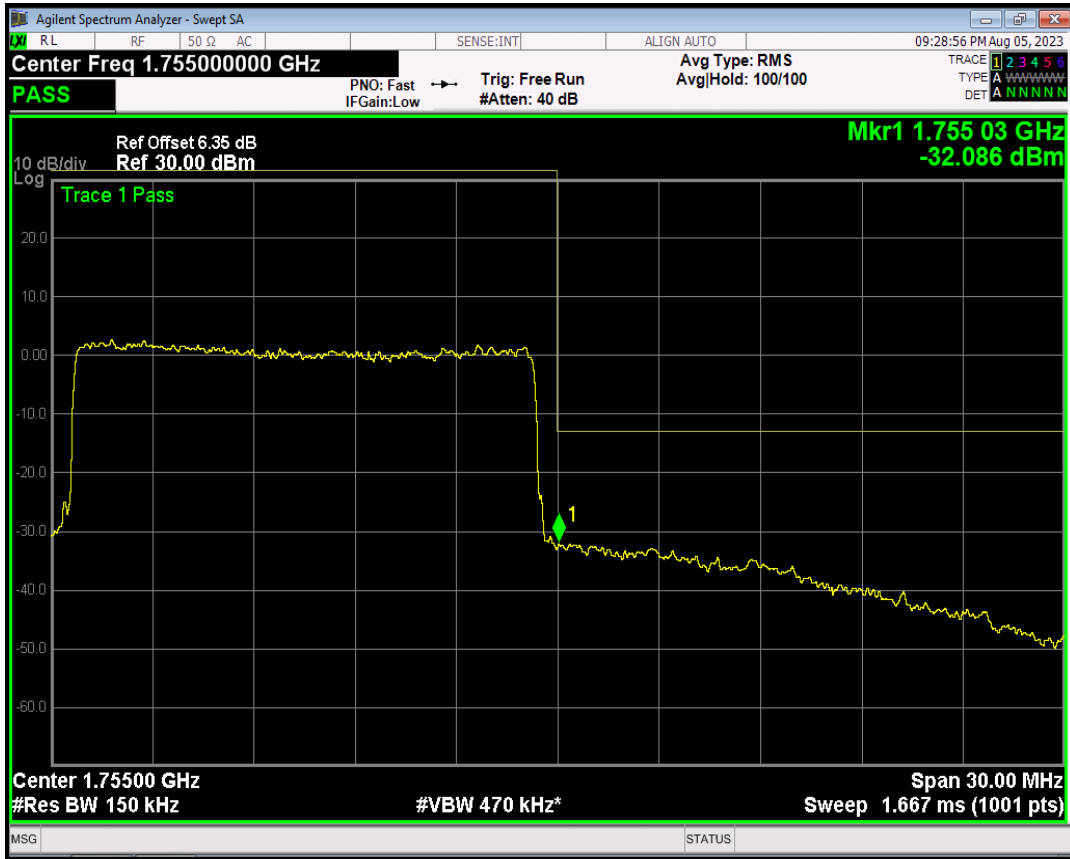


Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0



Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



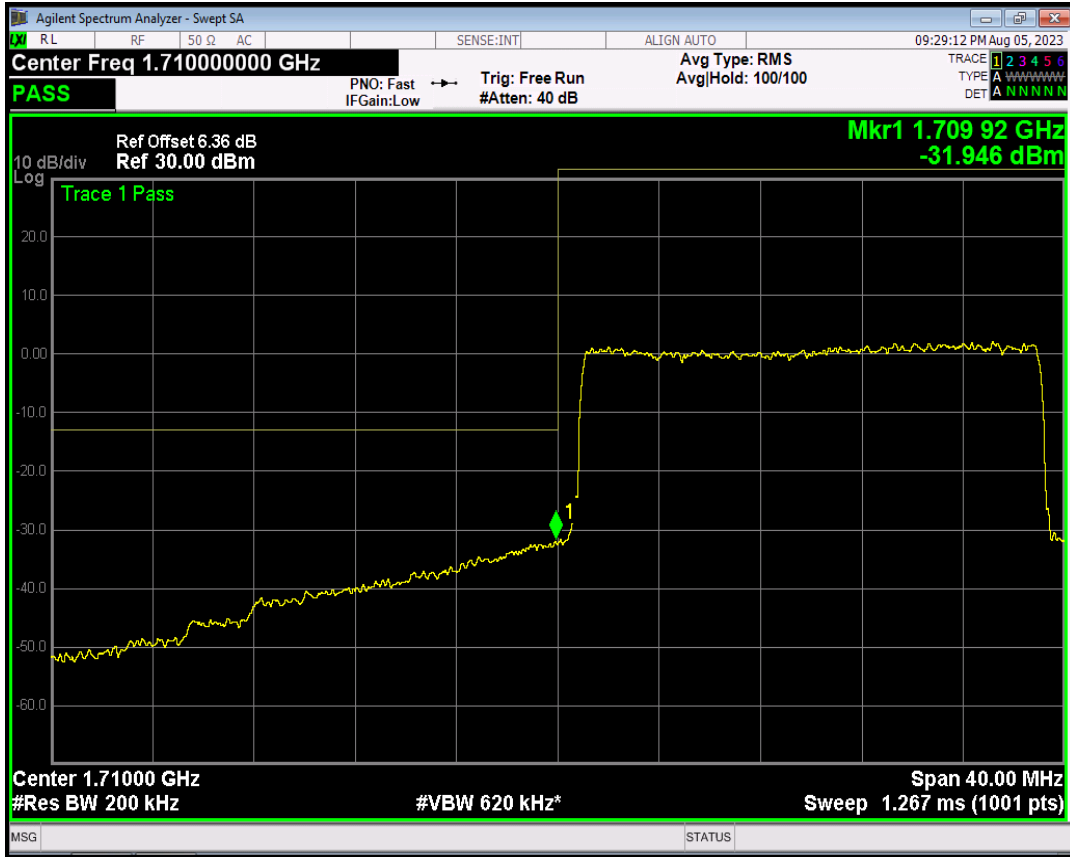


Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0

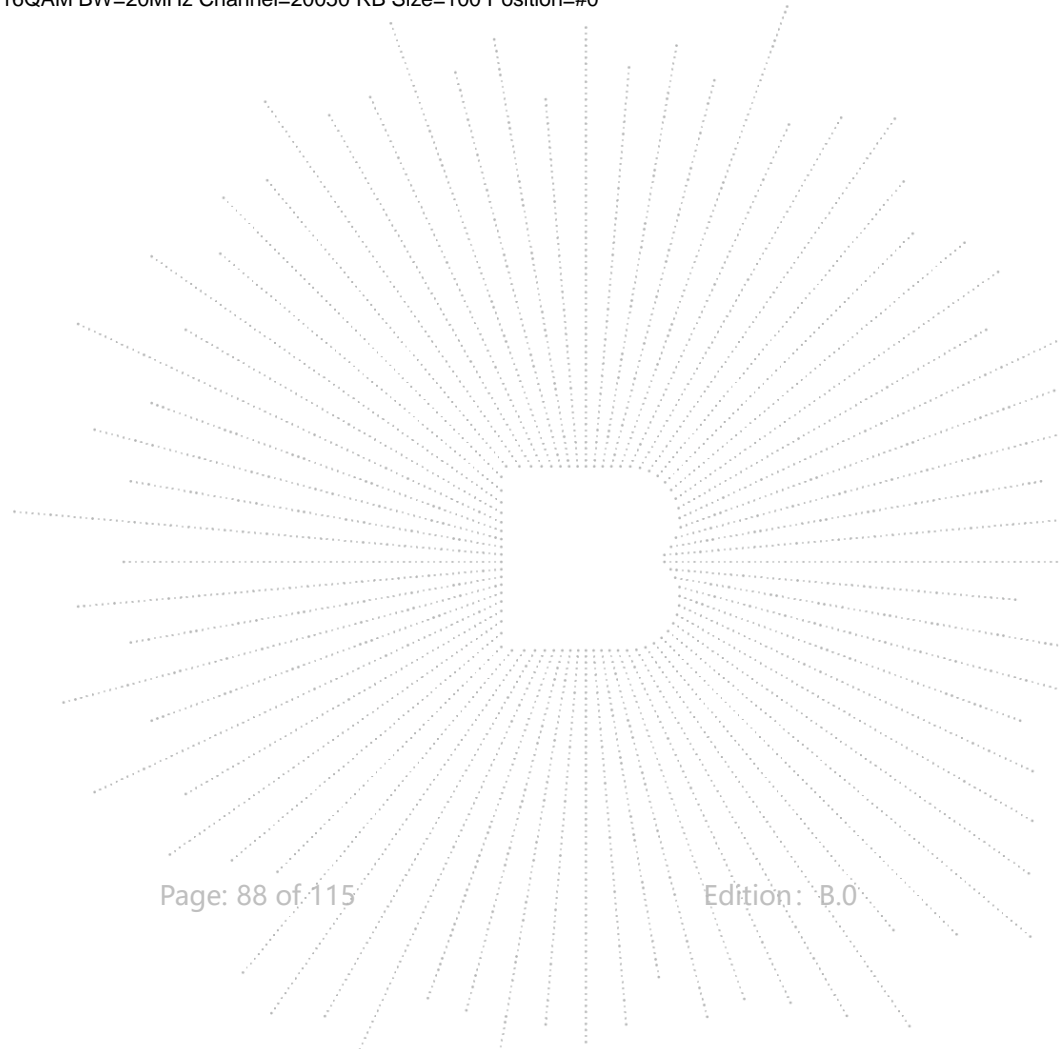




Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0

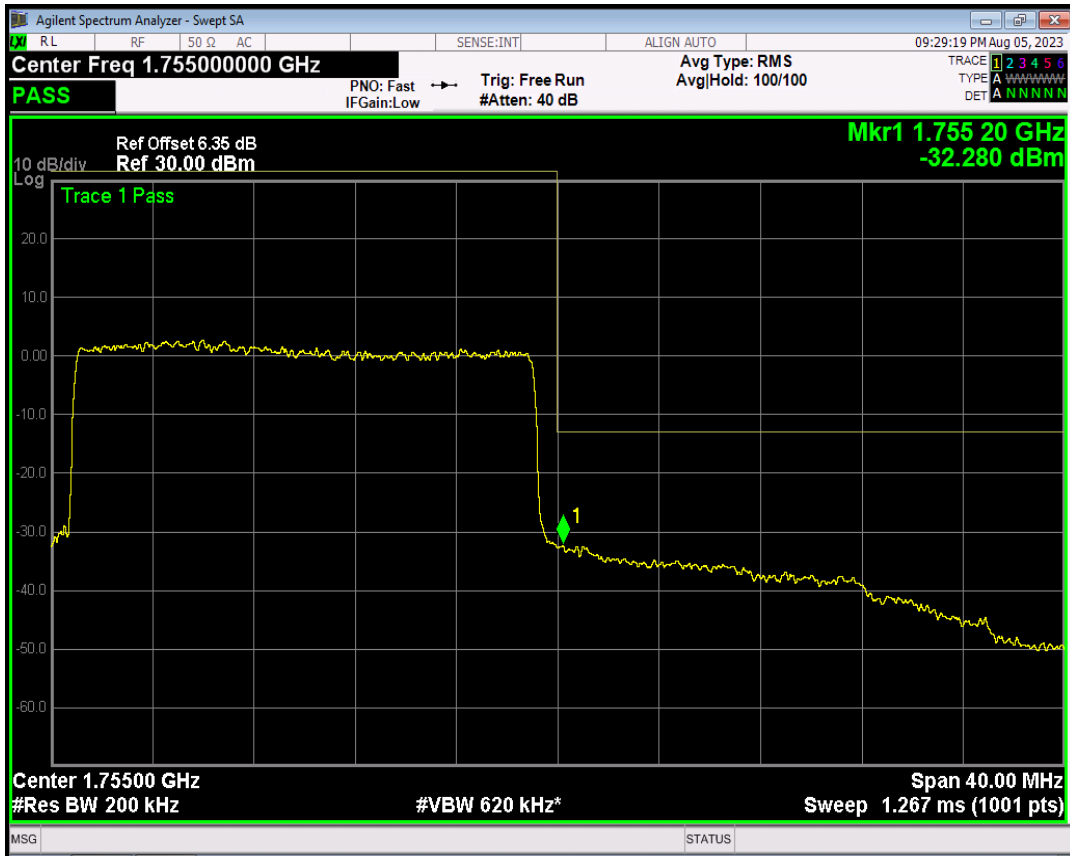


Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0



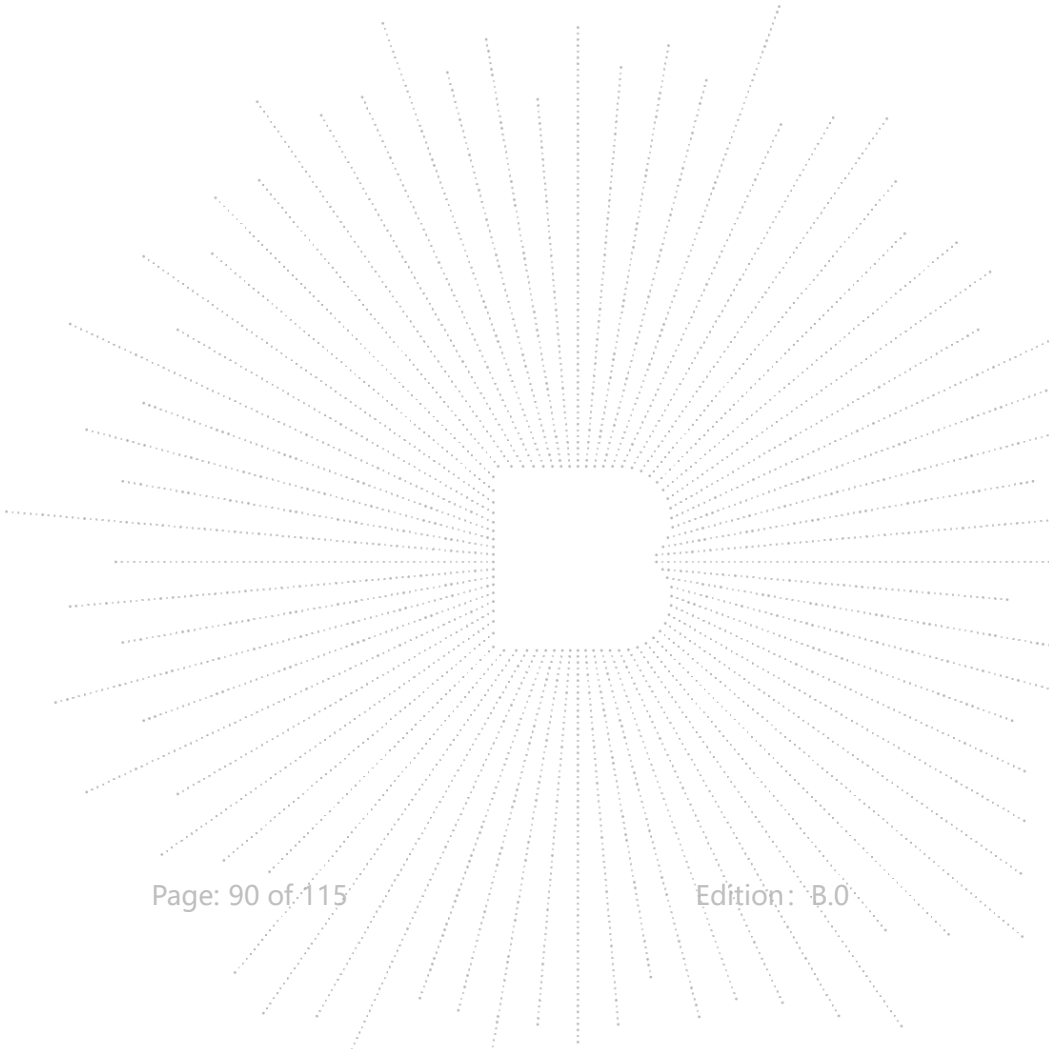


Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0





Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0

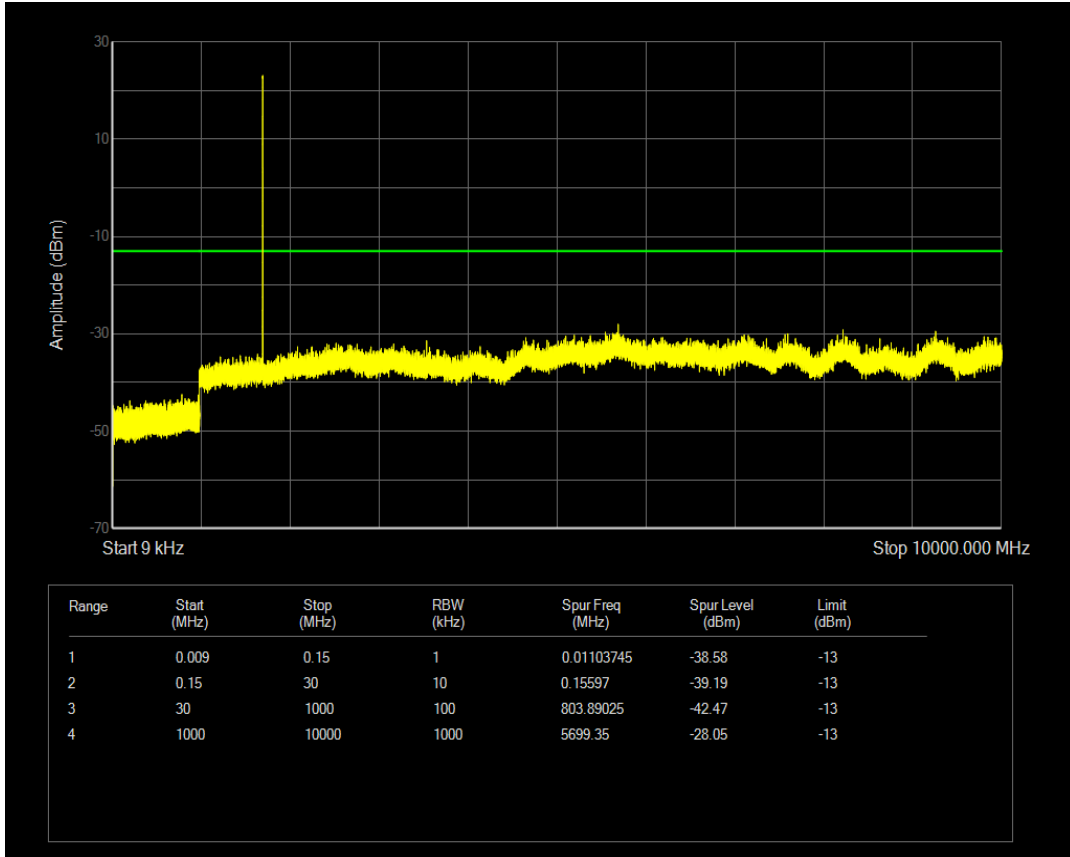


Appendix 6. Out-of-band emissions

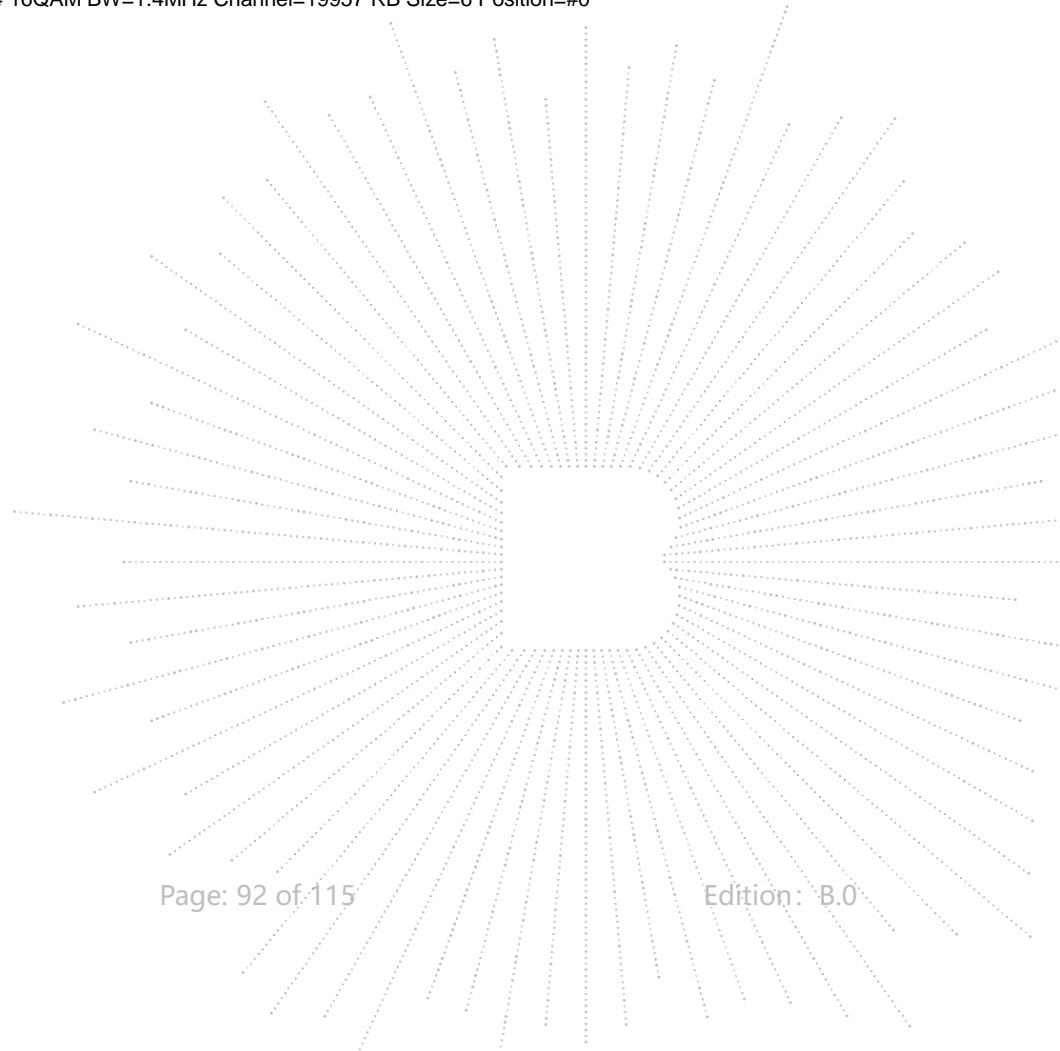
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band4	1.4	19957	6	#0	QPSK	5699.35	-28.05	-13	PASS
Band4	1.4	19957	6	#0	16QAM	5655.03	-29.38	-13	PASS
Band4	1.4	20175	6	#0	QPSK	5609.58	-29.56	-13	PASS
Band4	1.4	20175	6	#0	16QAM	5705.43	-28.32	-13	PASS
Band4	1.4	20393	6	#0	QPSK	5716.00	-29.20	-13	PASS
Band4	1.4	20393	6	#0	16QAM	5662.23	-29.22	-13	PASS
Band4	3	19965	15	#0	QPSK	5680.68	-28.57	-13	PASS
Band4	3	19965	15	#0	16QAM	5687.43	-29.09	-13	PASS
Band4	3	20175	15	#0	QPSK	5712.63	-29.50	-13	PASS
Band4	3	20175	15	#0	16QAM	5655.03	-29.02	-13	PASS
Band4	3	20385	15	#0	QPSK	5662.45	-29.23	-13	PASS
Band4	3	20385	15	#0	16QAM	8122.38	-28.89	-13	PASS
Band4	5	19975	25	#0	QPSK	5700.70	-28.66	-13	PASS
Band4	5	19975	25	#0	16QAM	9225.55	-28.66	-13	PASS
Band4	5	20175	25	#0	QPSK	7602.63	-29.24	-13	PASS
Band4	5	20175	25	#0	16QAM	5889.70	-29.18	-13	PASS
Band4	5	20375	25	#0	QPSK	5755.83	-29.27	-13	PASS
Band4	5	20375	25	#0	16QAM	5637.03	-28.57	-13	PASS
Band4	10	20000	50	#0	QPSK	5757.85	-29.23	-13	PASS
Band4	10	20000	50	#0	16QAM	5734.00	-28.50	-13	PASS
Band4	10	20175	50	#0	QPSK	9284.05	-28.78	-13	PASS
Band4	10	20175	50	#0	16QAM	5743.68	-28.97	-13	PASS
Band4	10	20350	50	#0	QPSK	5917.83	-29.21	-13	PASS
Band4	10	20350	50	#0	16QAM	9206.65	-29.44	-13	PASS
Band4	15	20025	75	#0	QPSK	9318.93	-29.52	-13	PASS
Band4	15	20025	75	#0	16QAM	5711.05	-29.43	-13	PASS
Band4	15	20175	75	#0	QPSK	5689.90	-28.87	-13	PASS
Band4	15	20175	75	#0	16QAM	5690.13	-29.20	-13	PASS
Band4	15	20325	75	#0	QPSK	5684.95	-28.55	-13	PASS
Band4	15	20325	75	#0	16QAM	5661.78	-29.01	-13	PASS
Band4	20	20050	100	#0	QPSK	5671.90	-29.44	-13	PASS
Band4	20	20050	100	#0	16QAM	5689.00	-29.14	-13	PASS
Band4	20	20175	100	#0	QPSK	5587.75	-29.56	-13	PASS
Band4	20	20175	100	#0	16QAM	5697.78	-29.30	-13	PASS
Band4	20	20300	100	#0	QPSK	5798.13	-29.34	-13	PASS
Band4	20	20300	100	#0	16QAM	9278.88	-29.08	-13	PASS

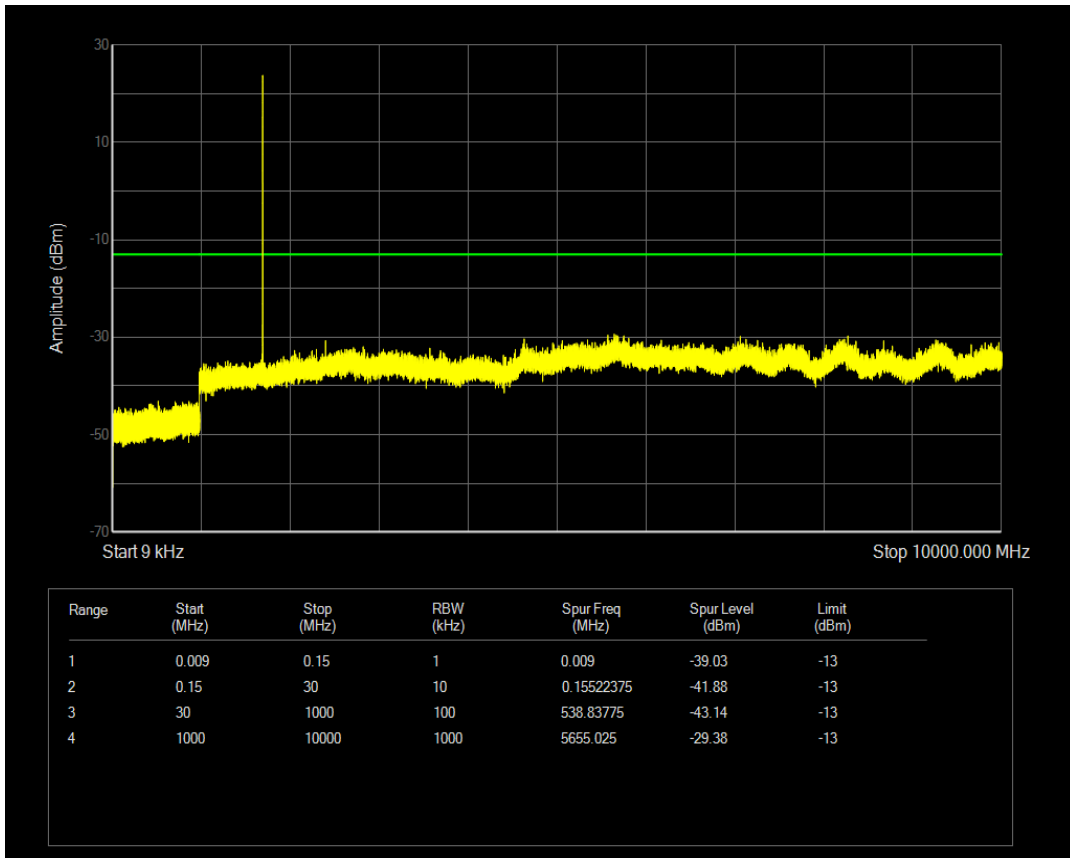


Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0

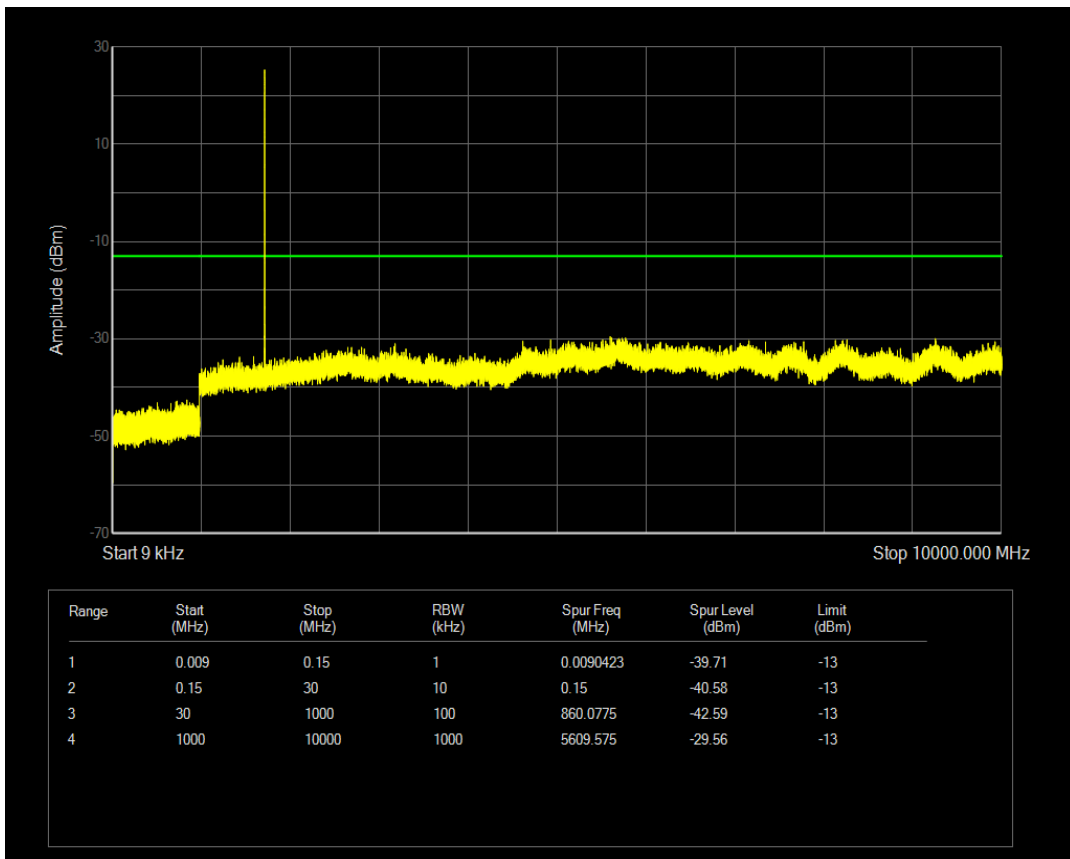


Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



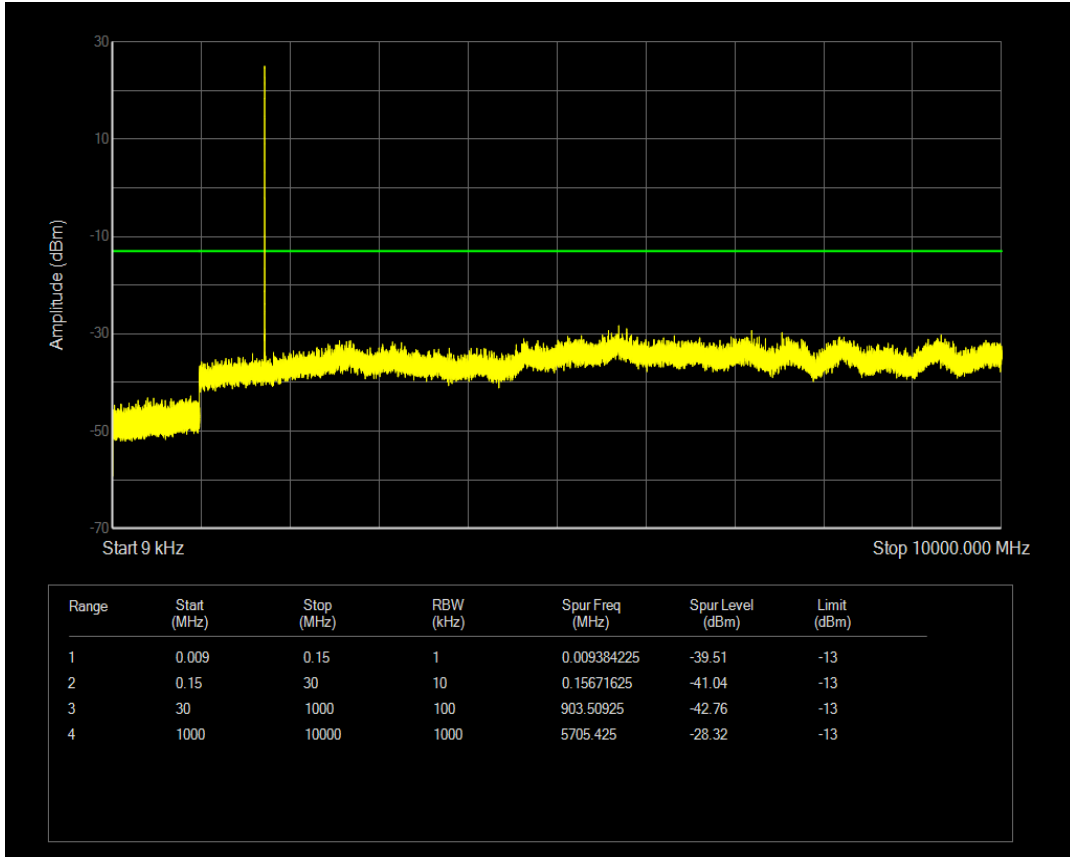


Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0

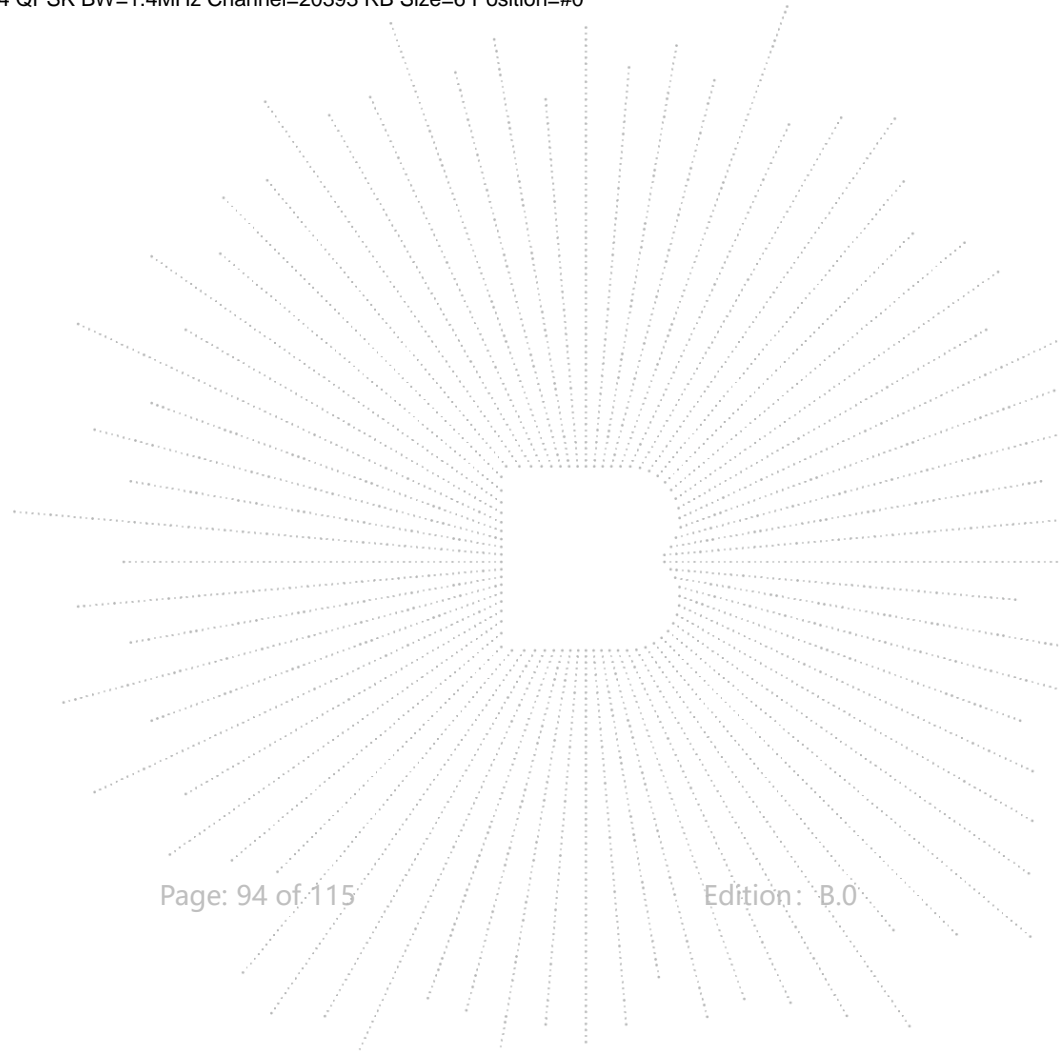


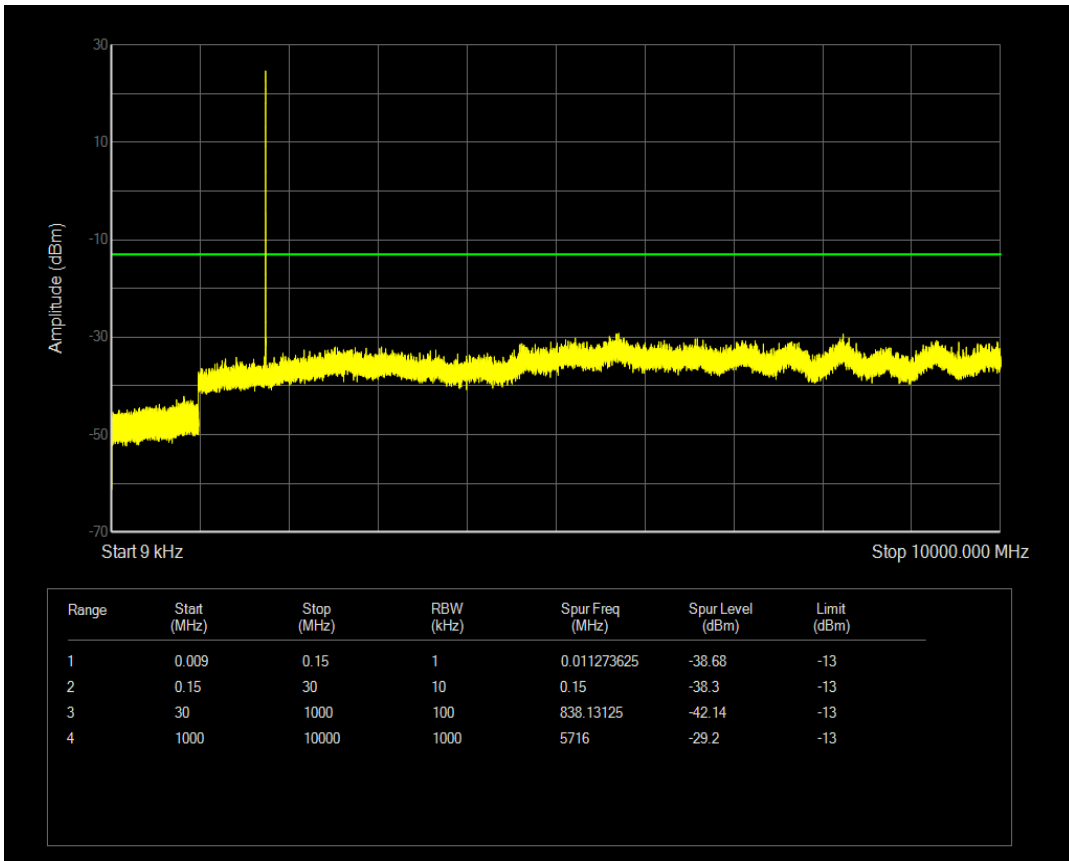


Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0

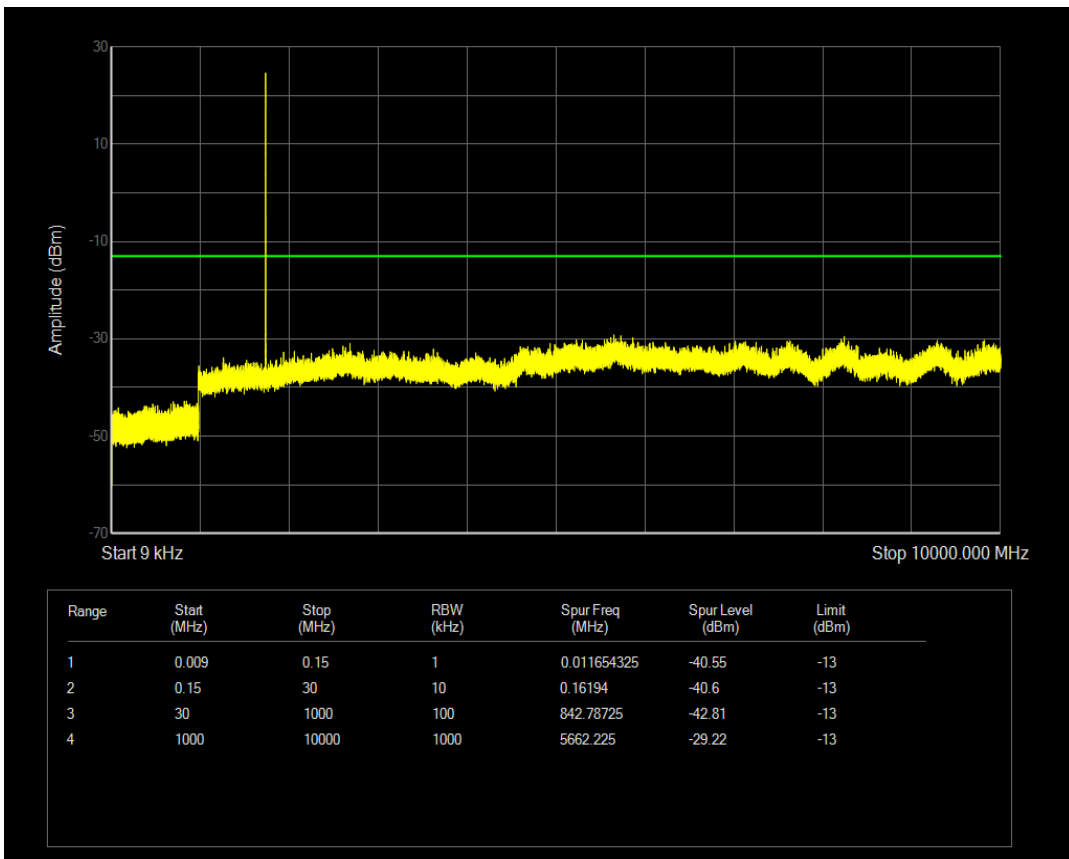


Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



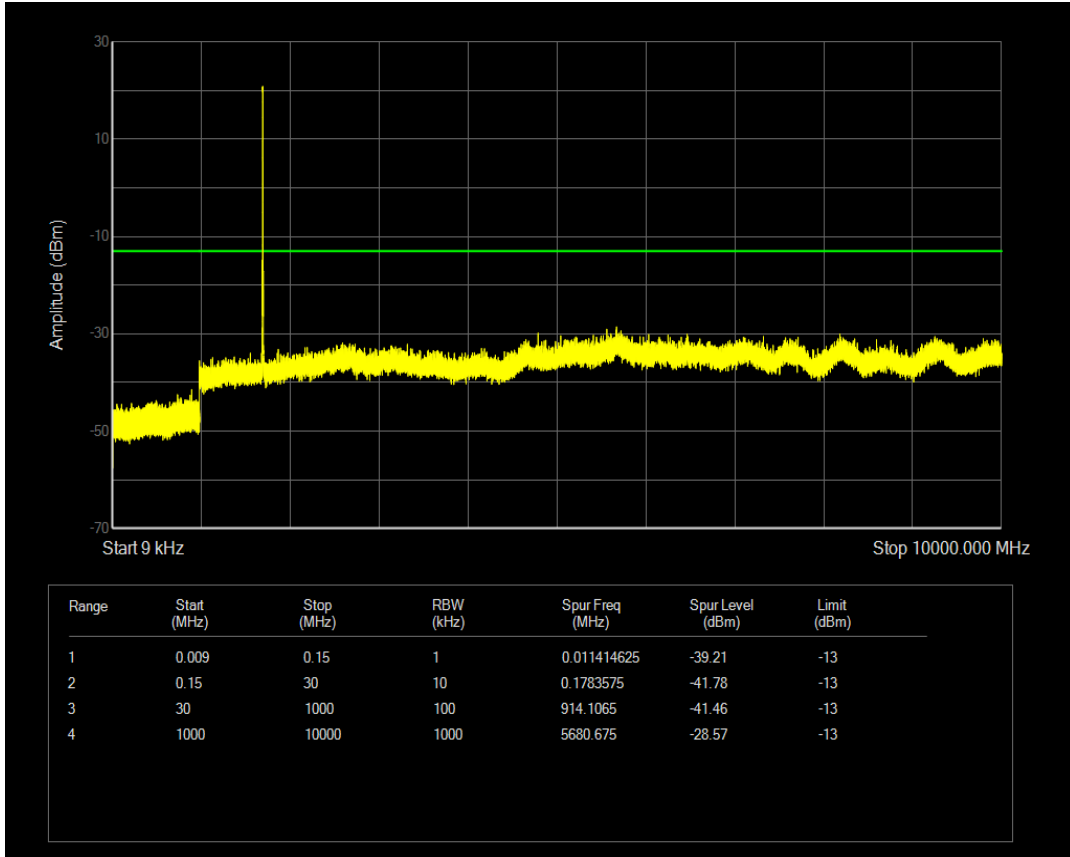


Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0

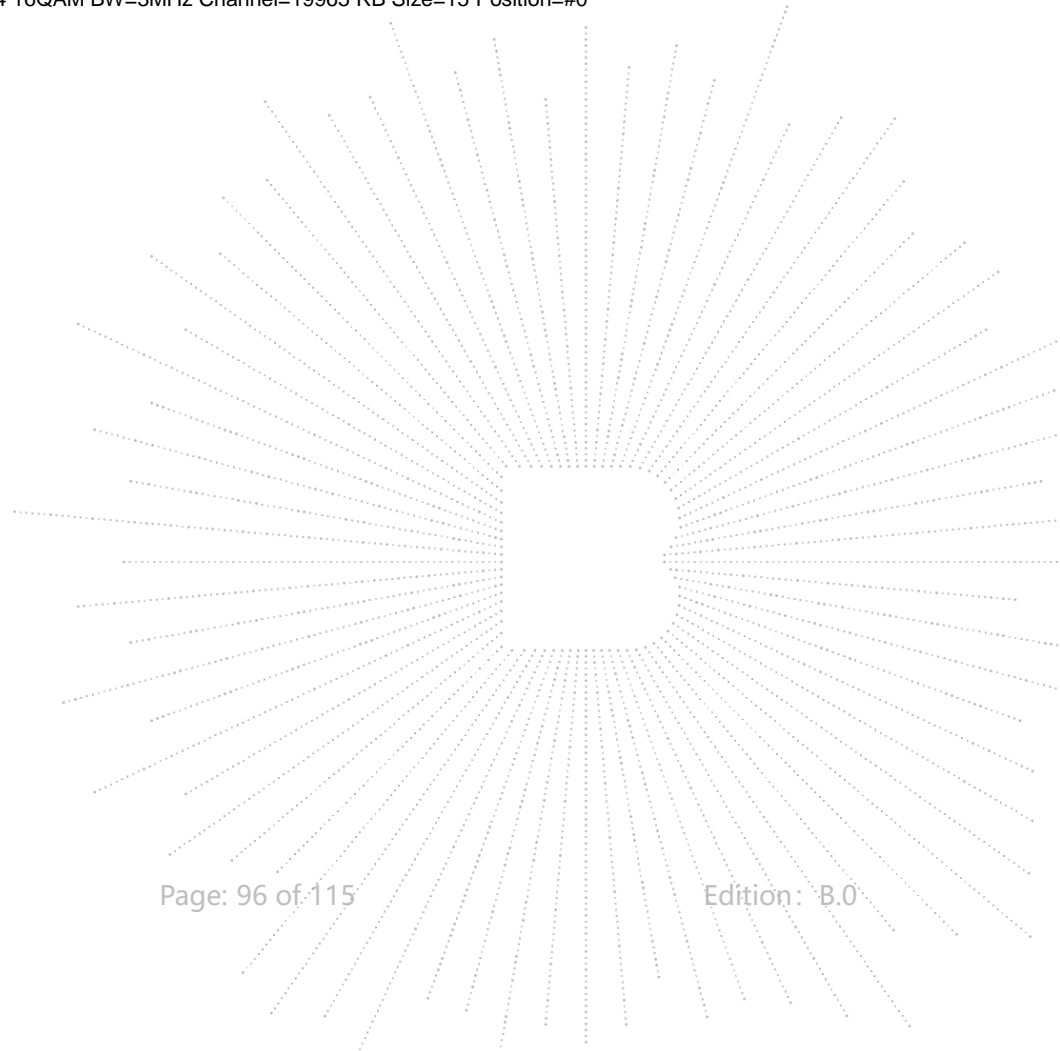


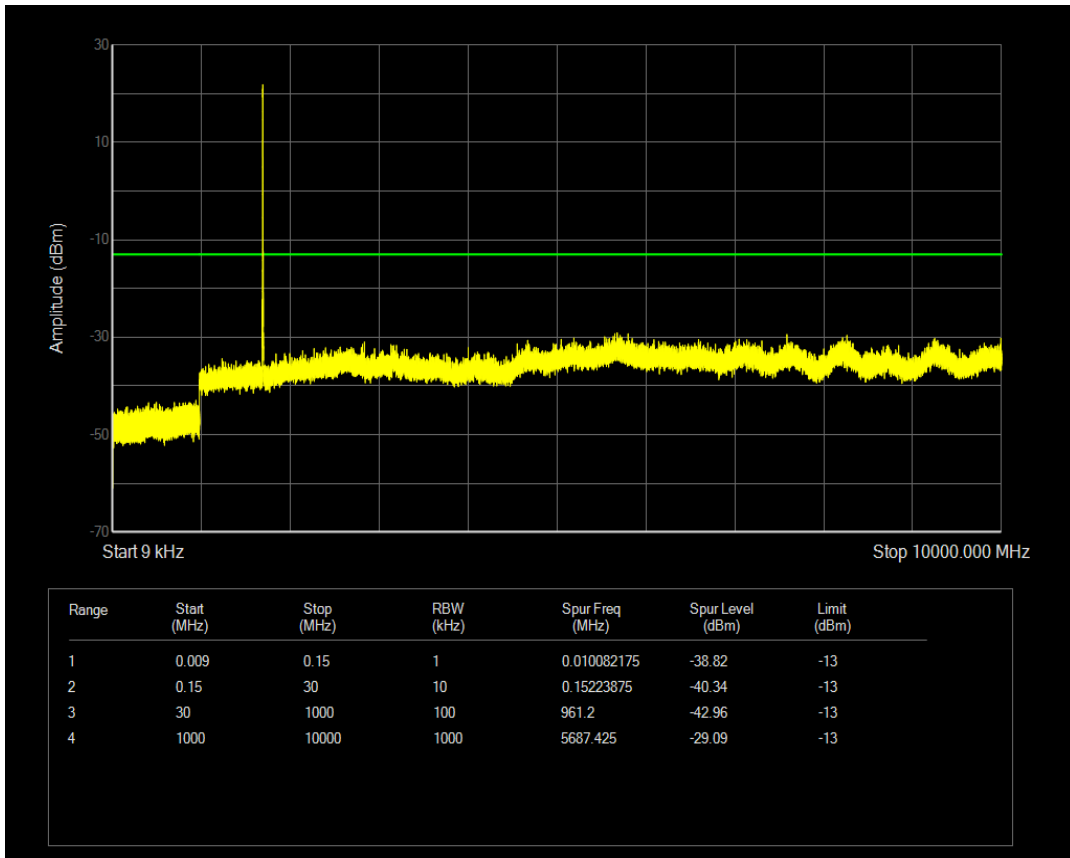


Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0

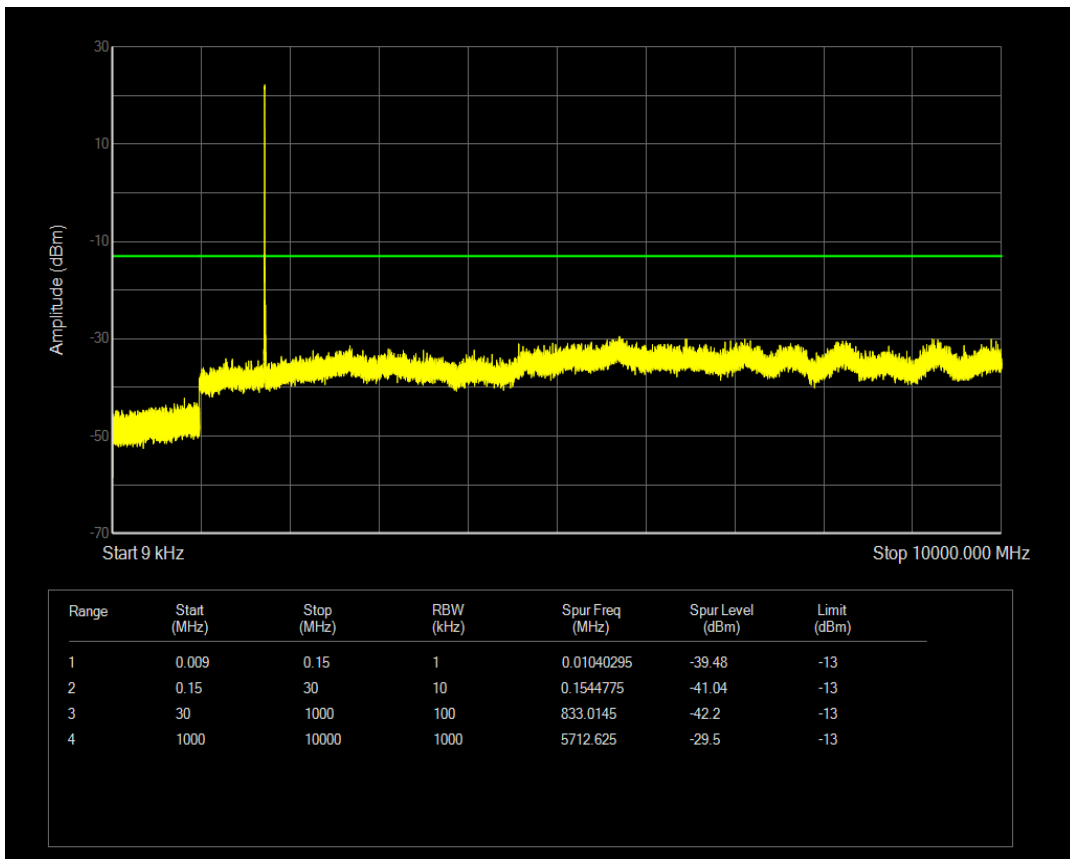


Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



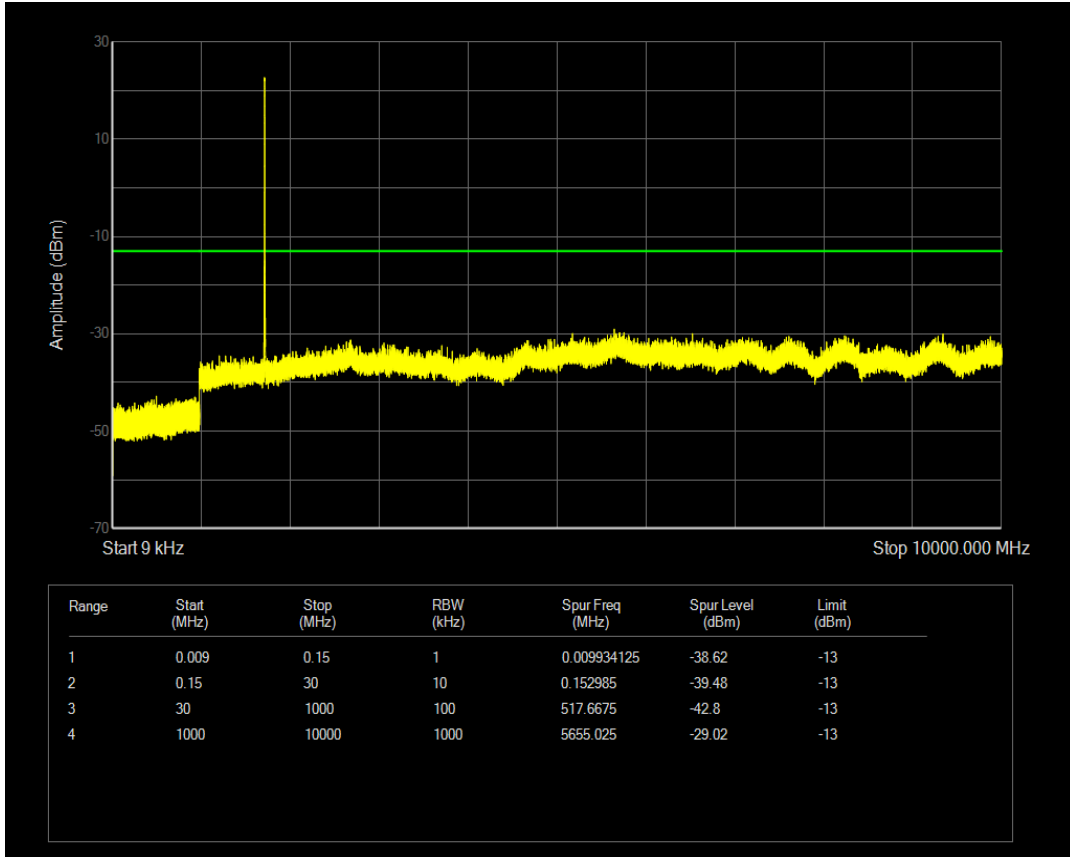


Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0

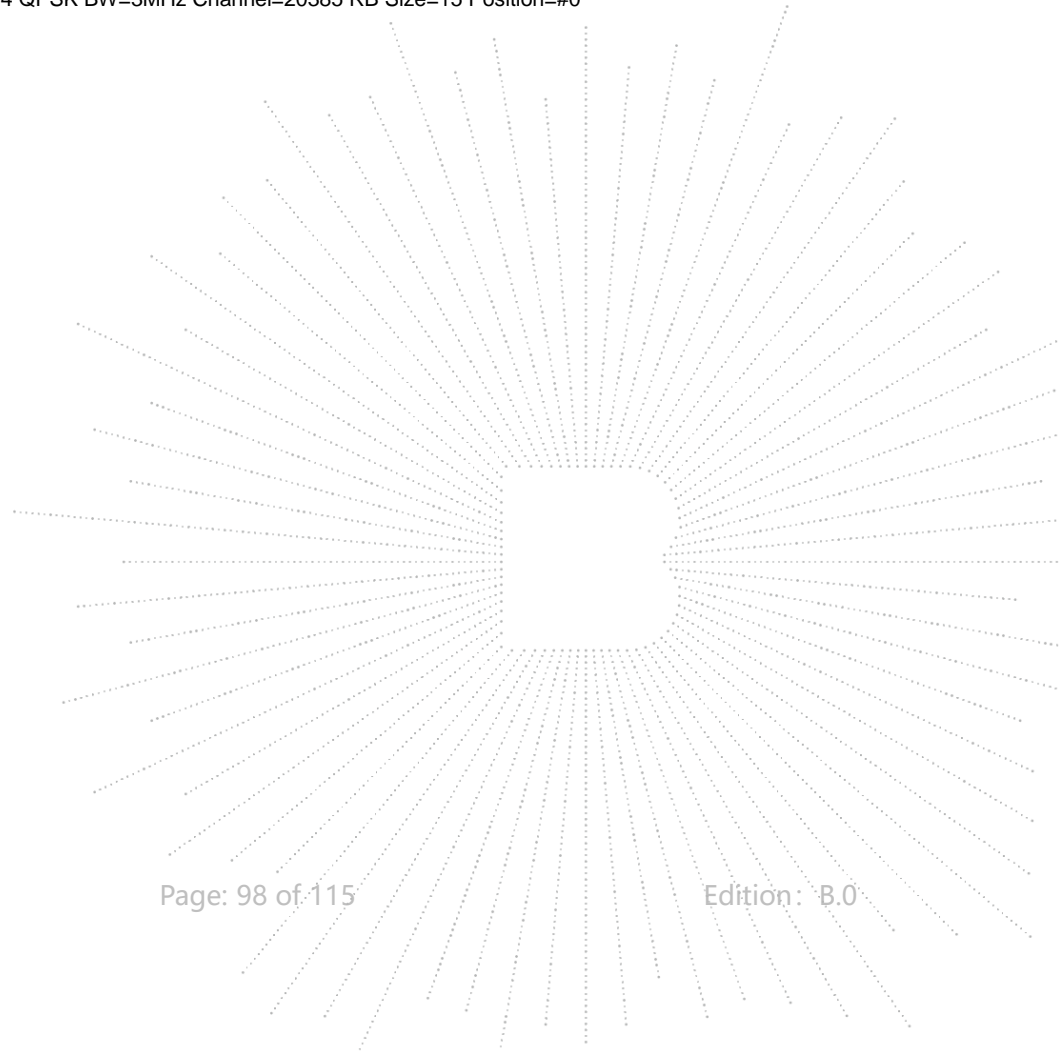


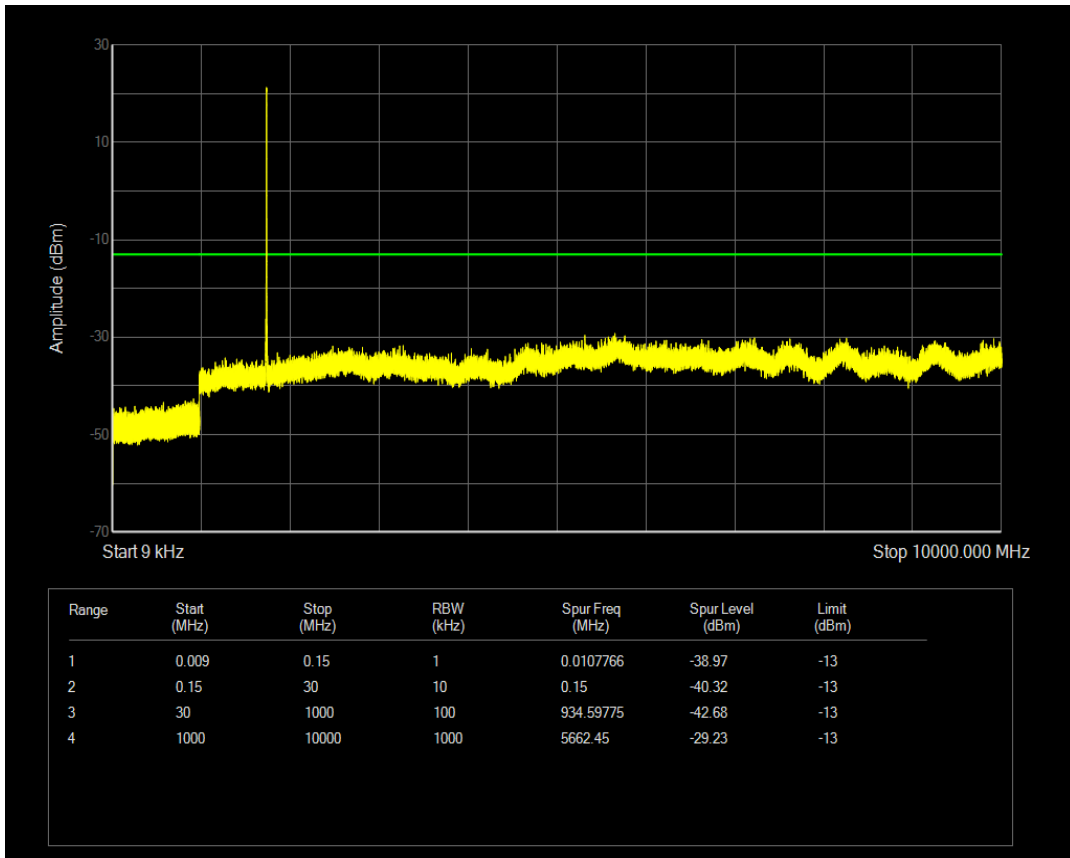


Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0

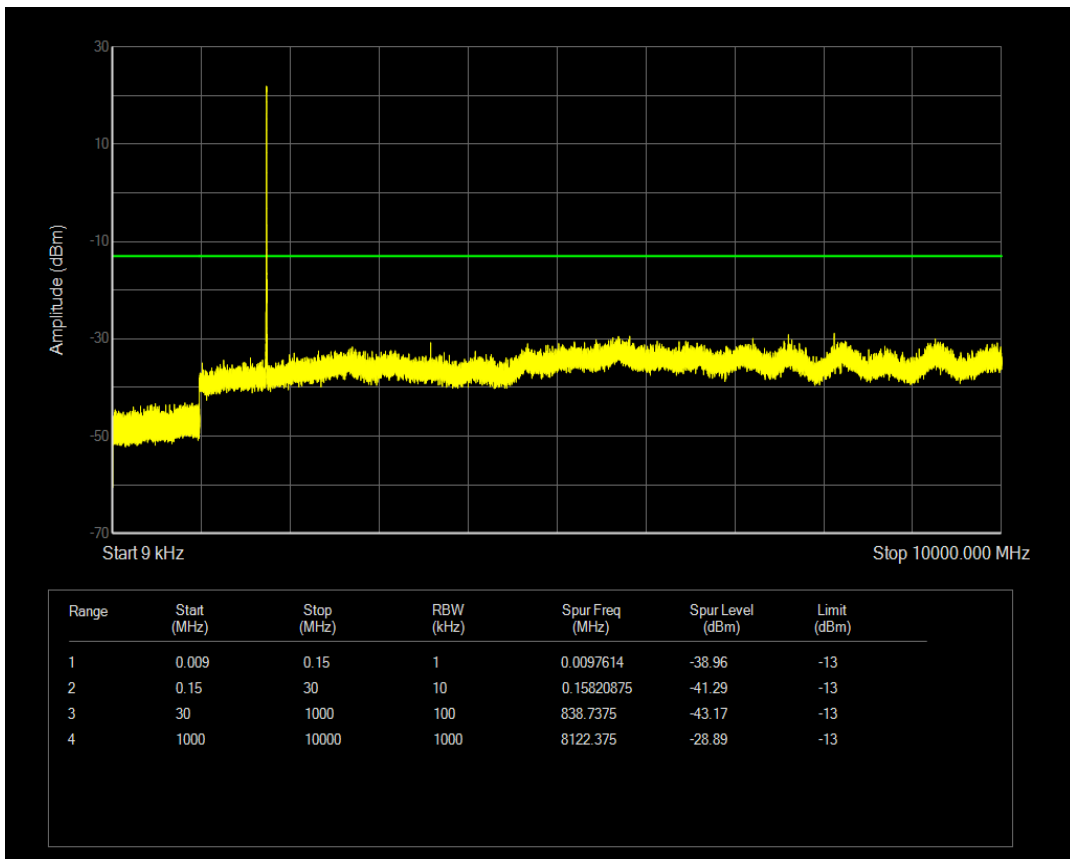


Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



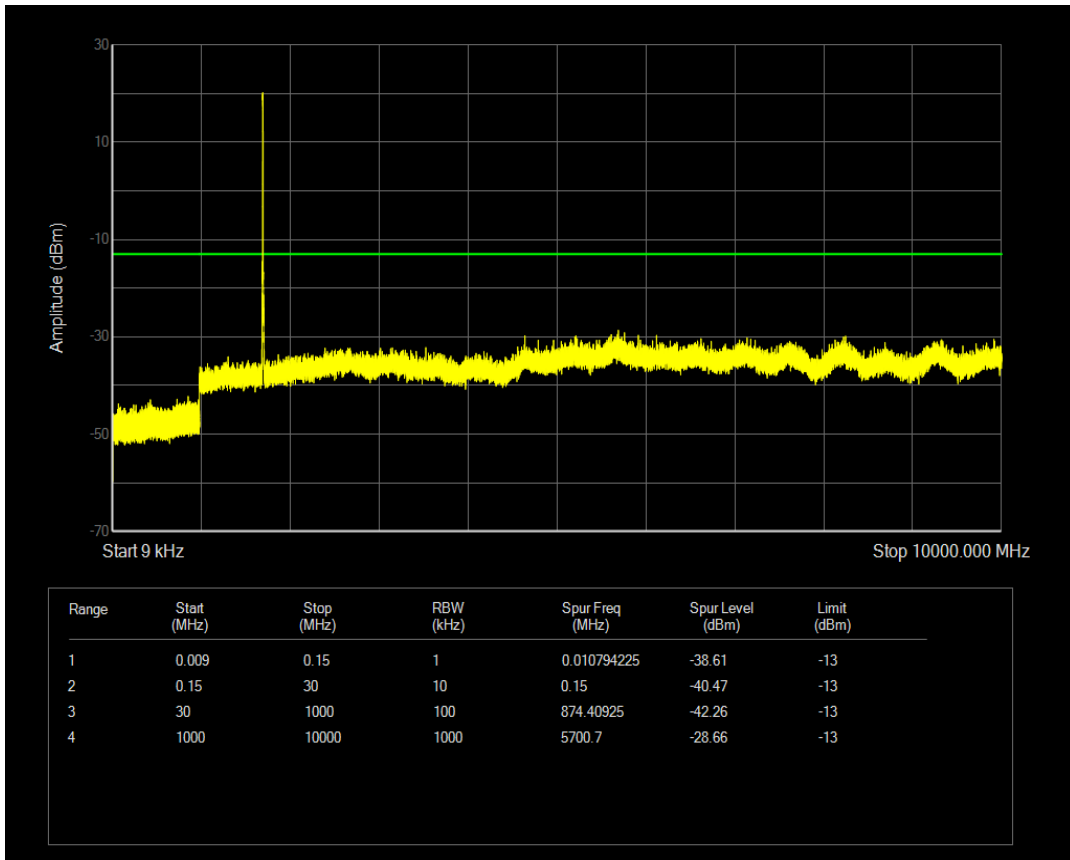


Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0

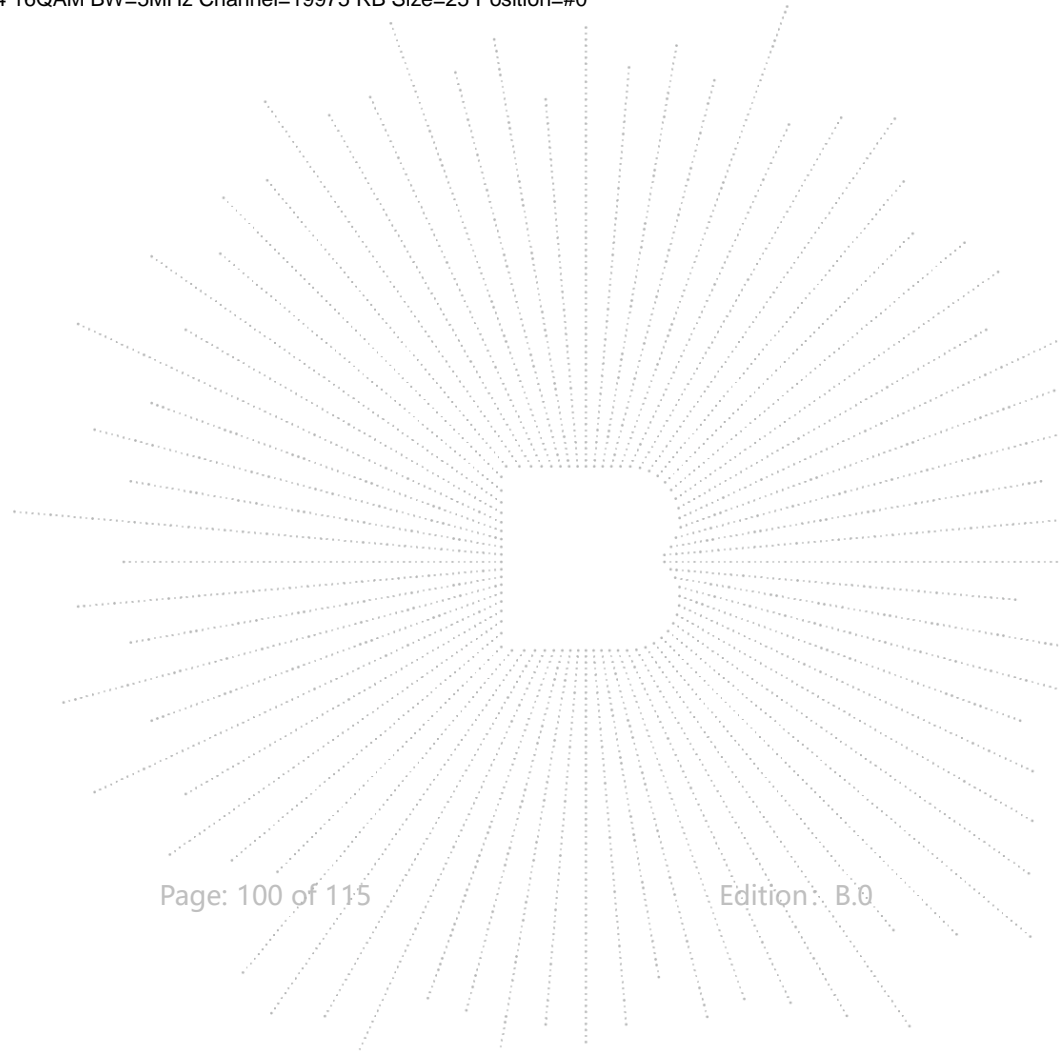


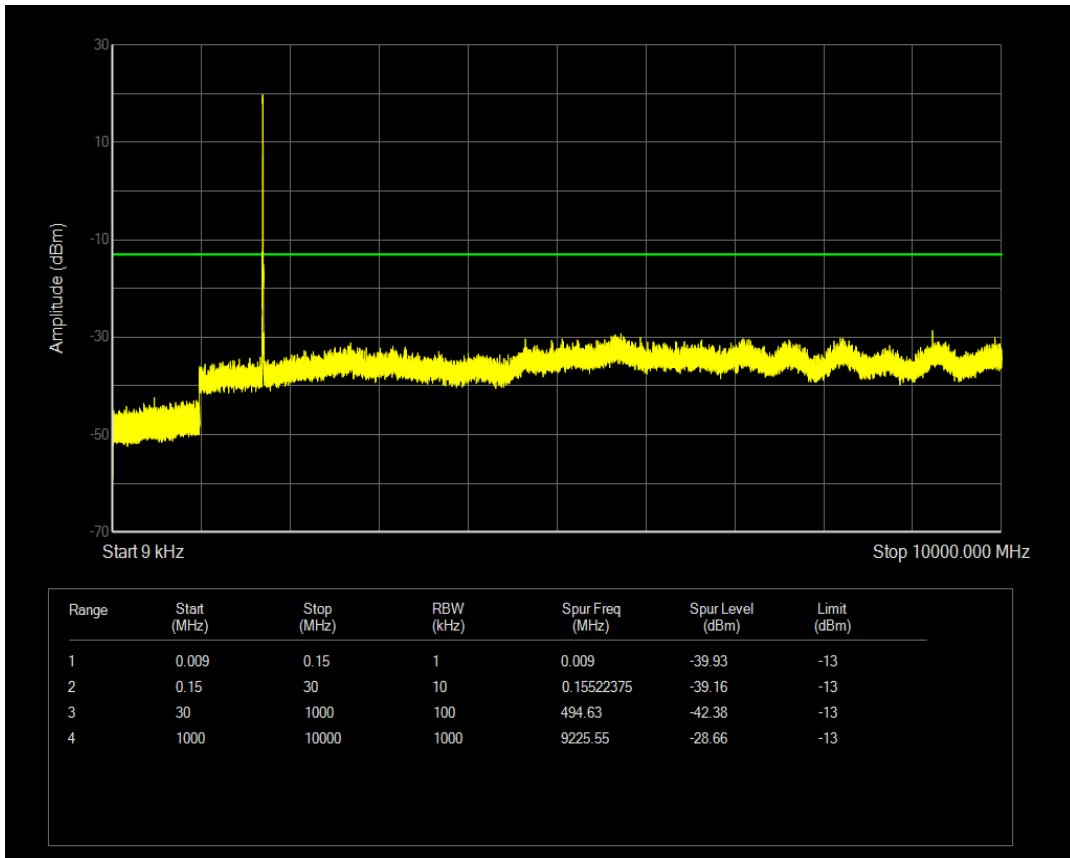


Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0

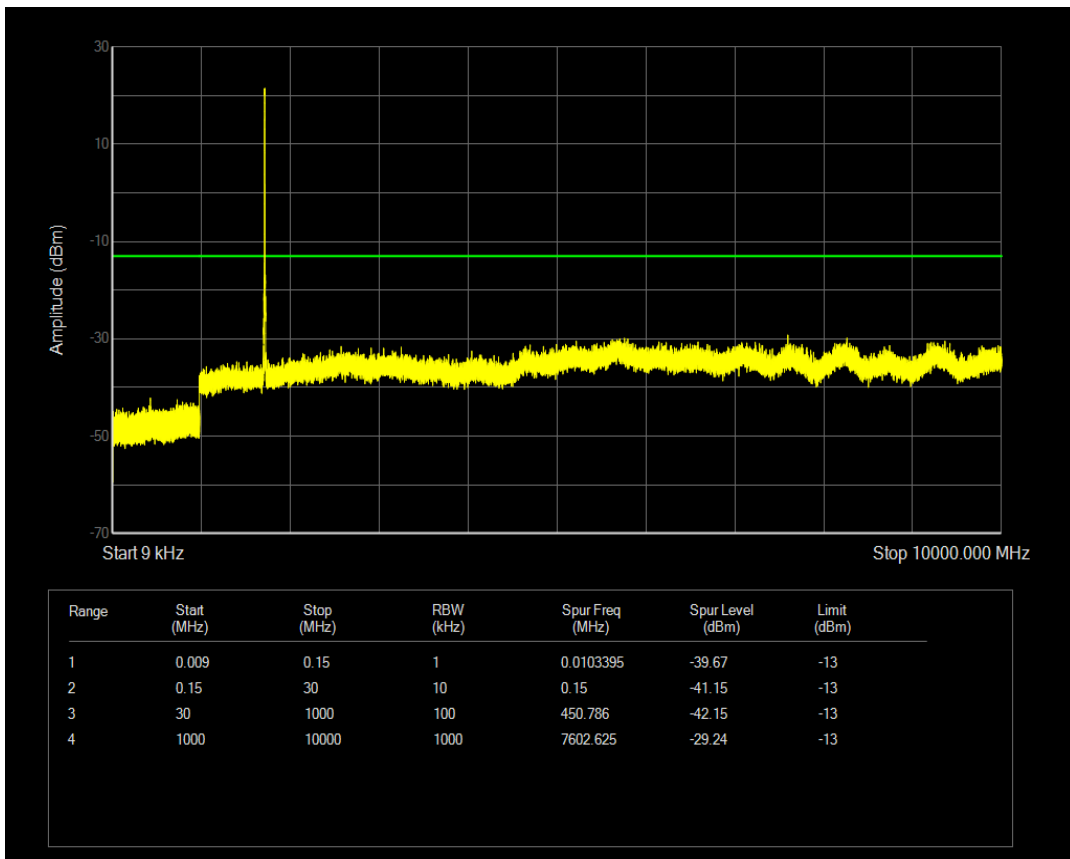


Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



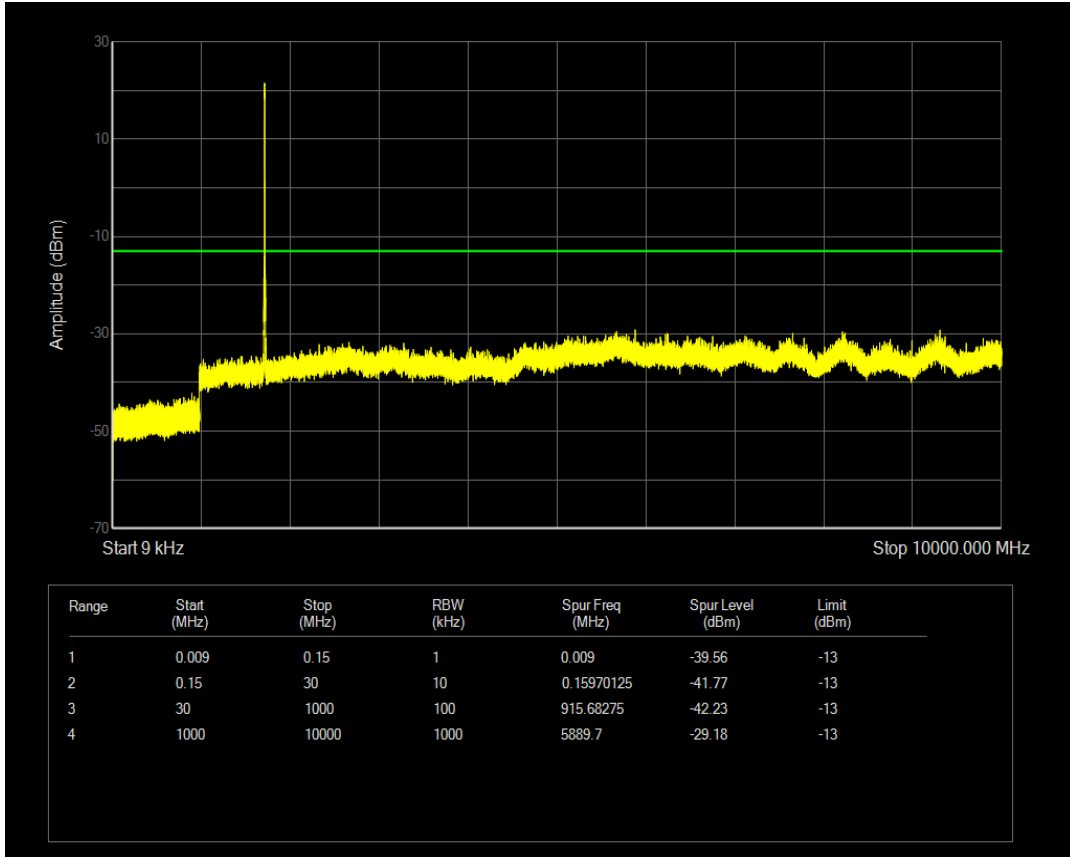


Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0

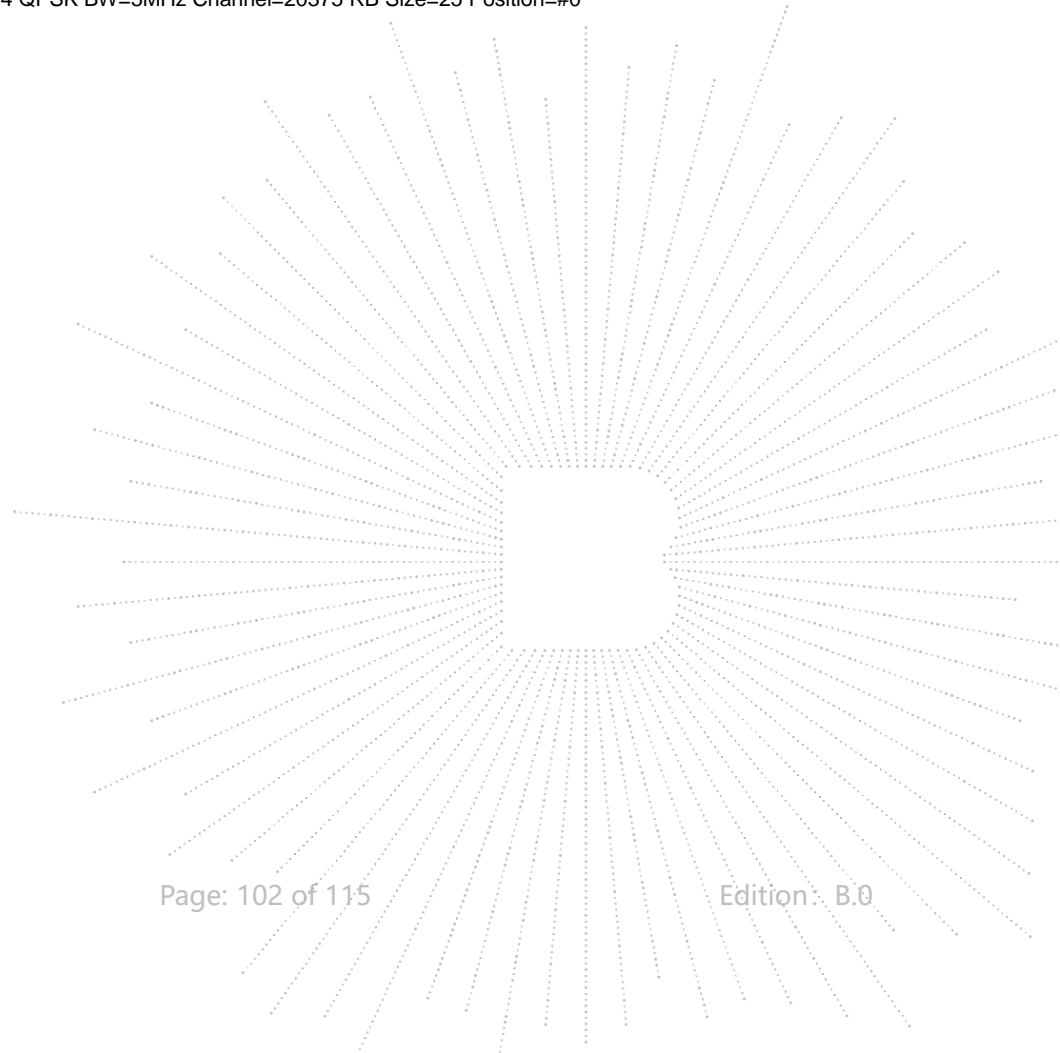


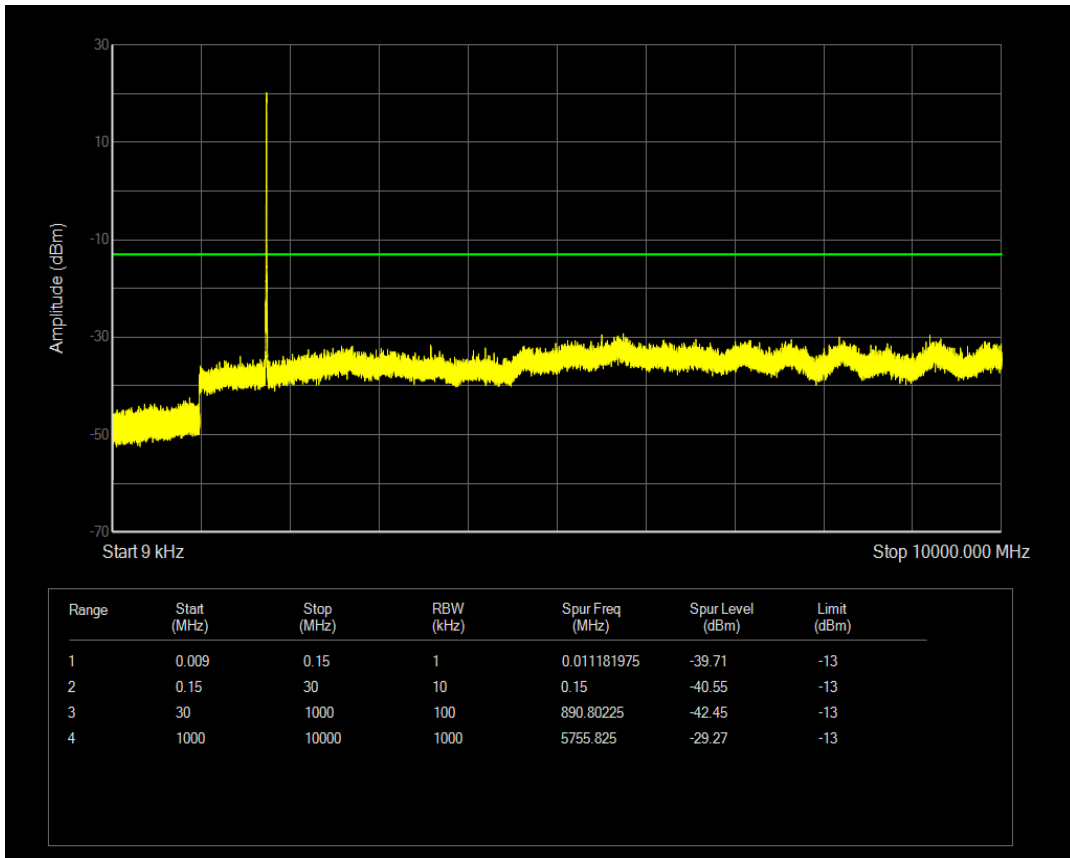


Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0

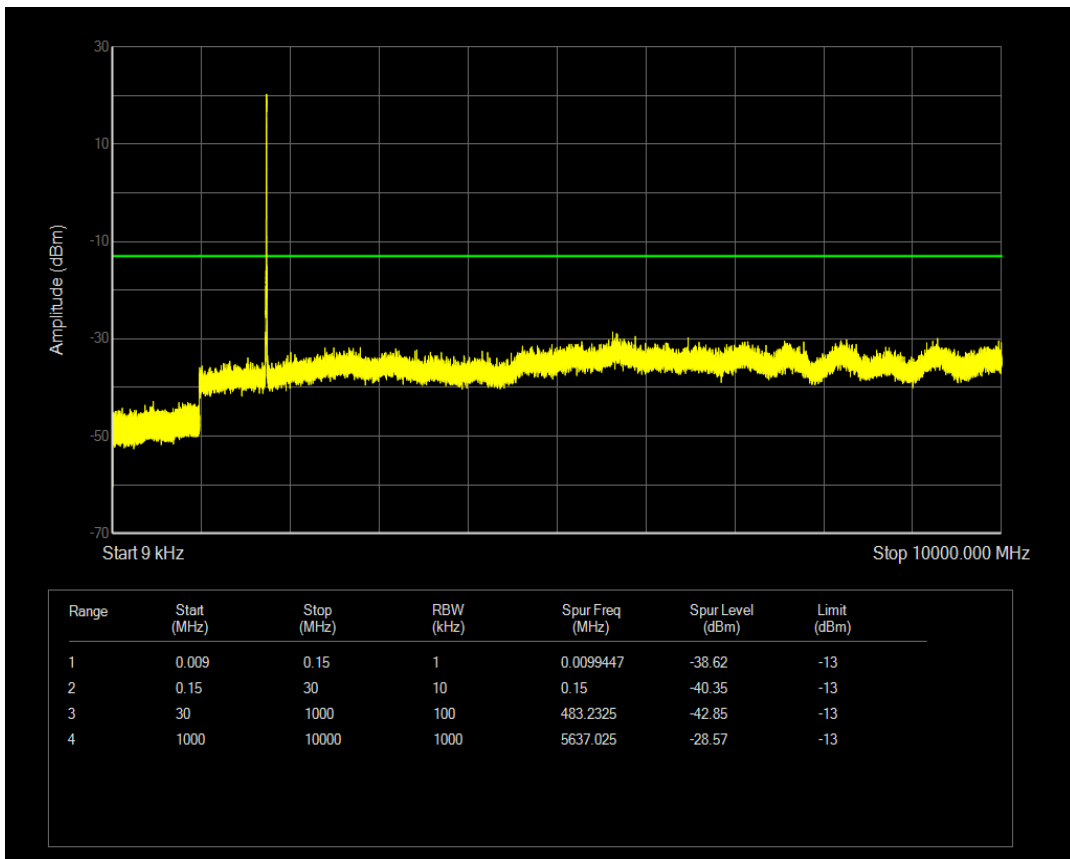


Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



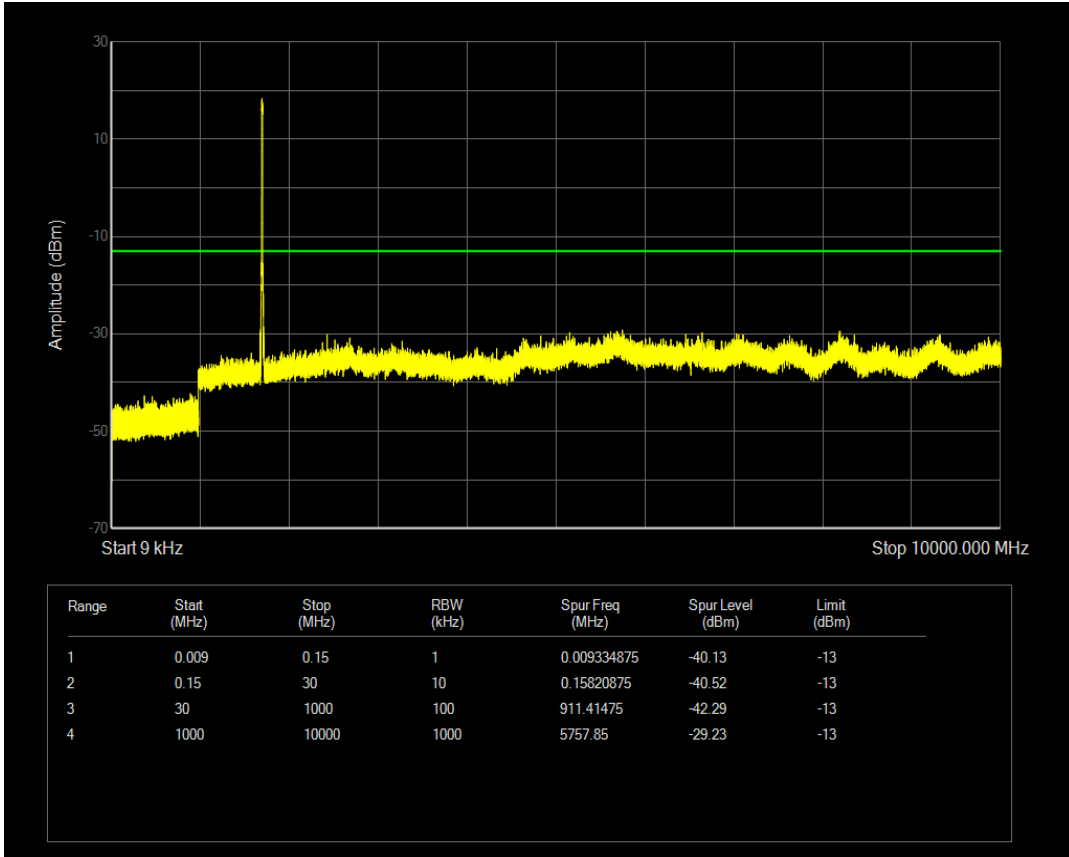


Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0

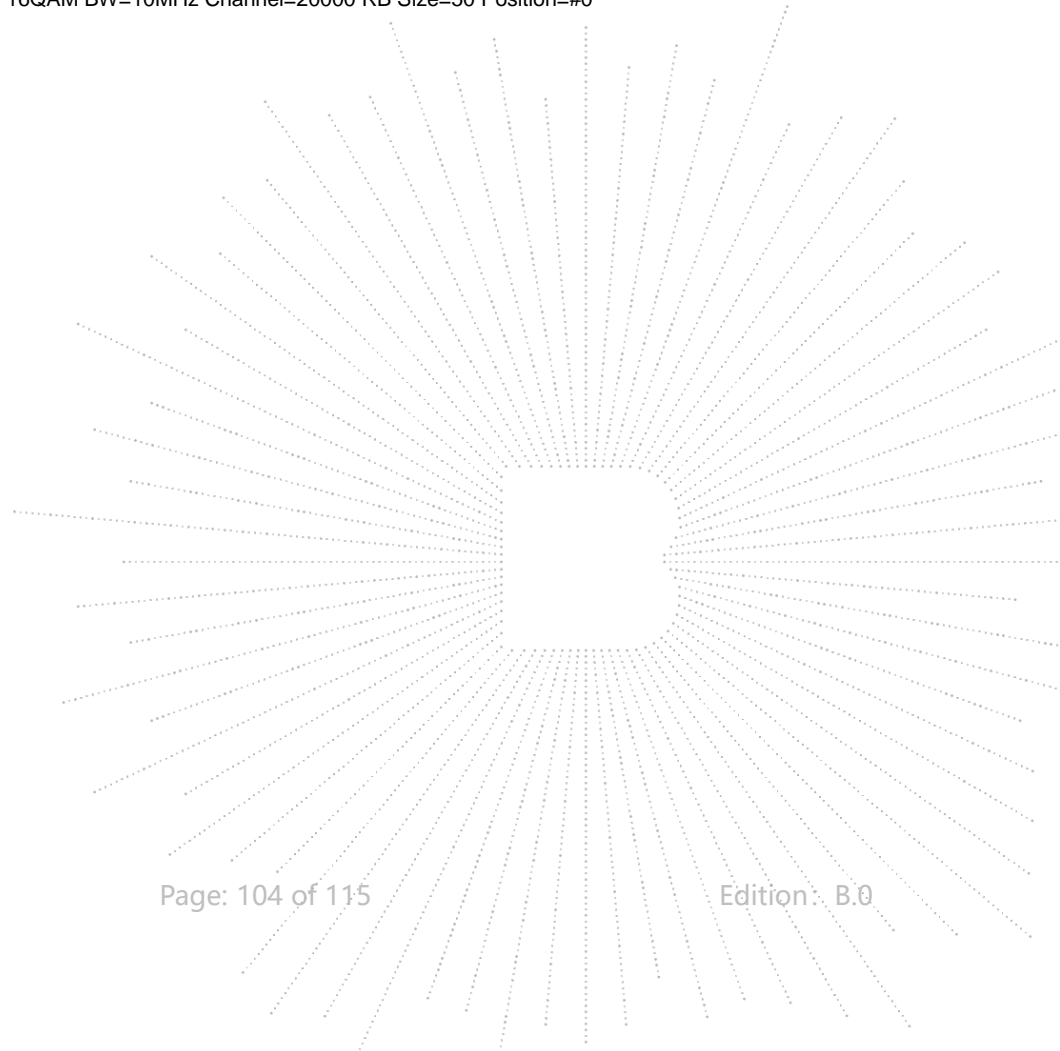


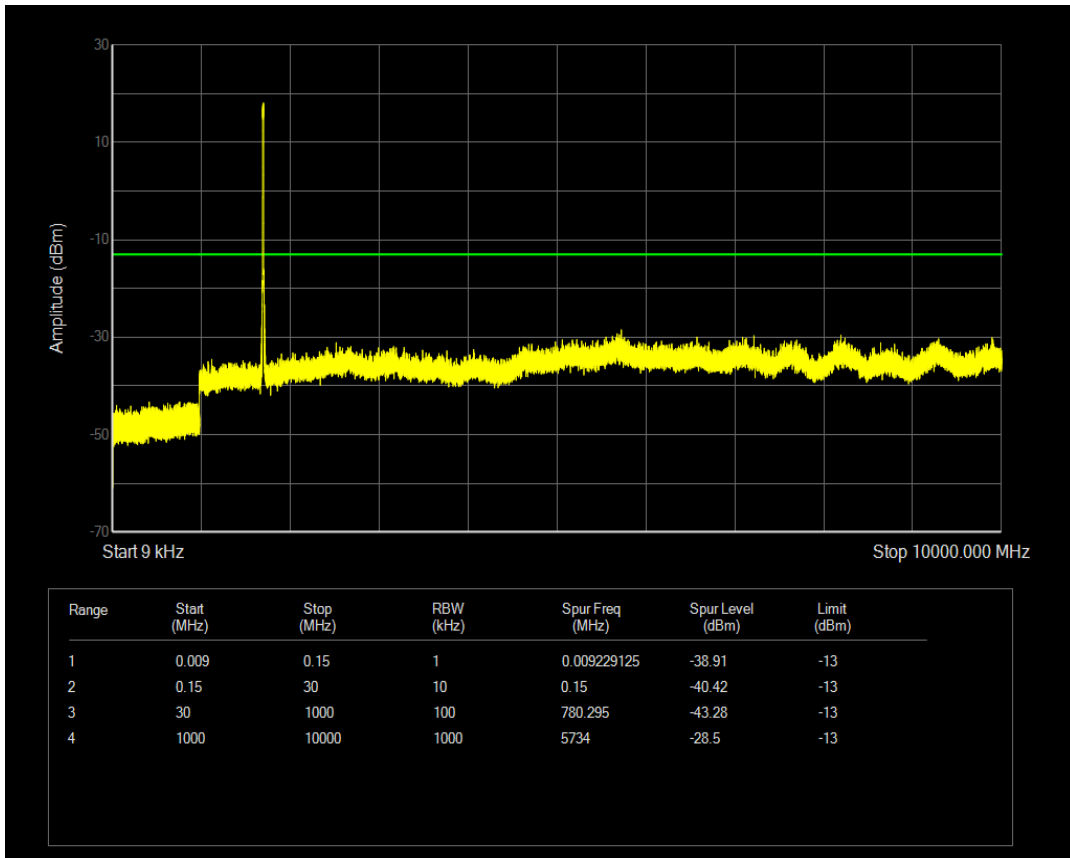


Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0

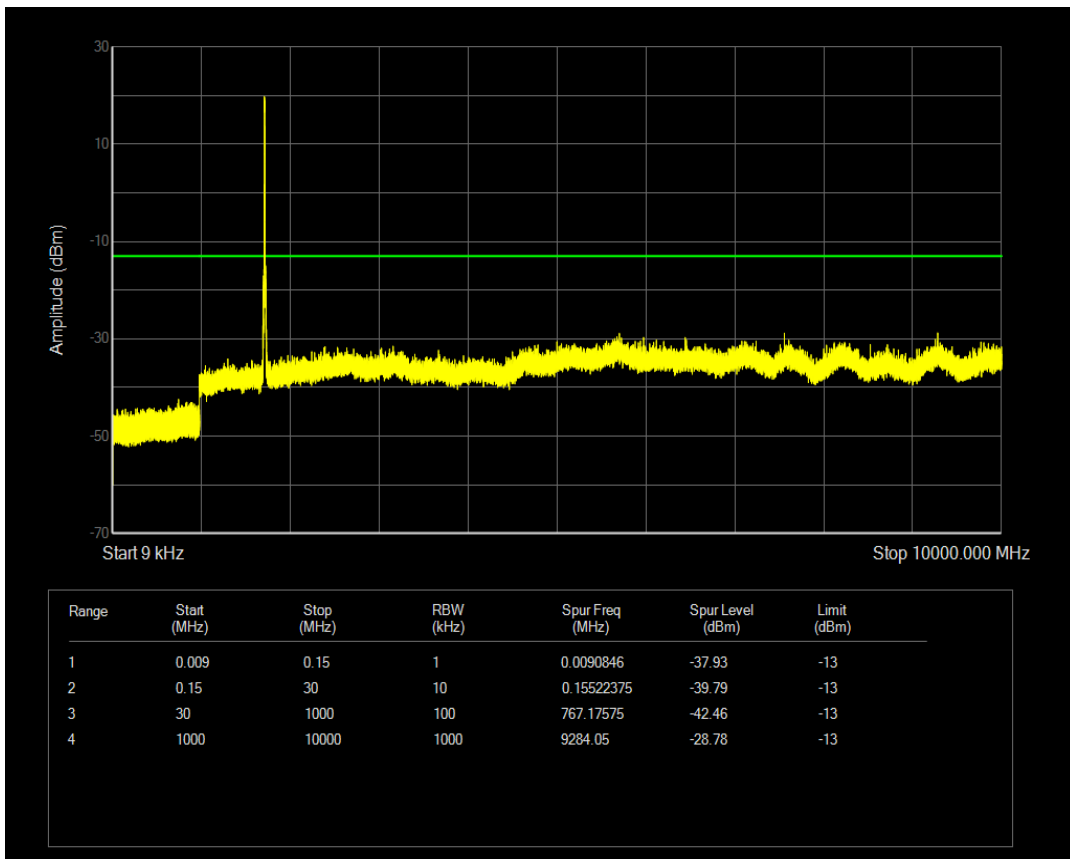


Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0



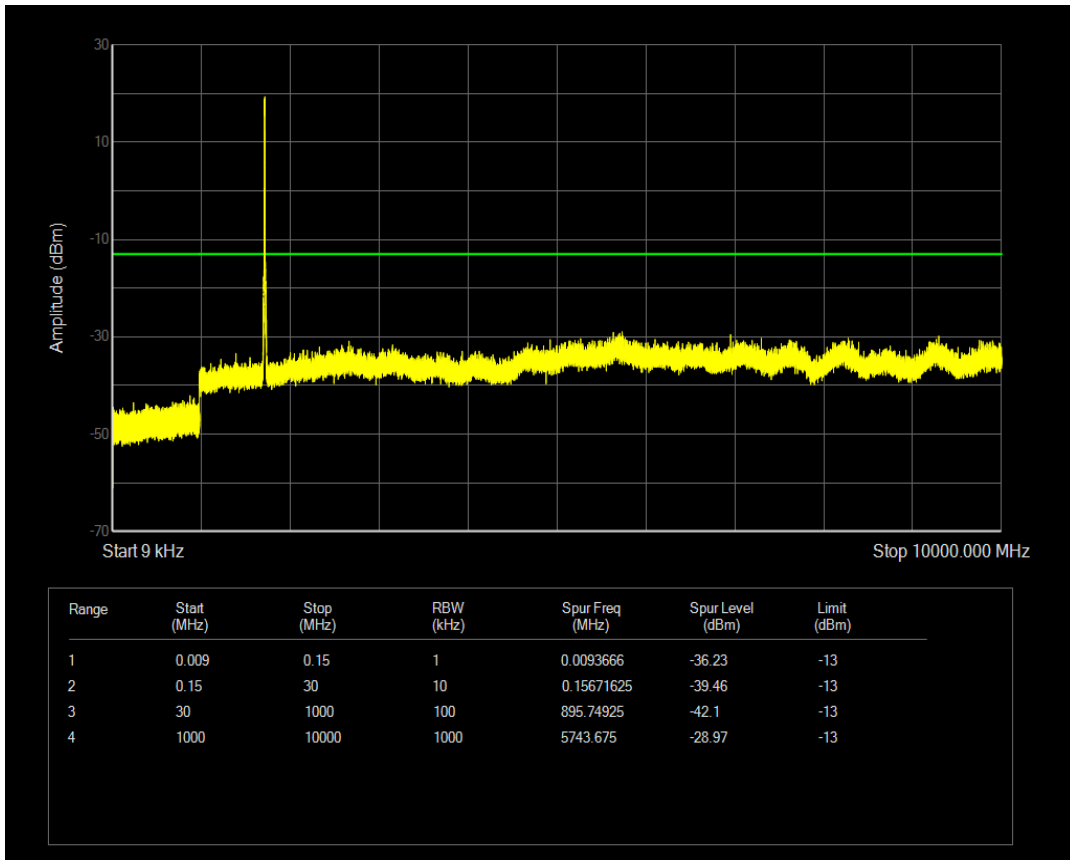


Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0

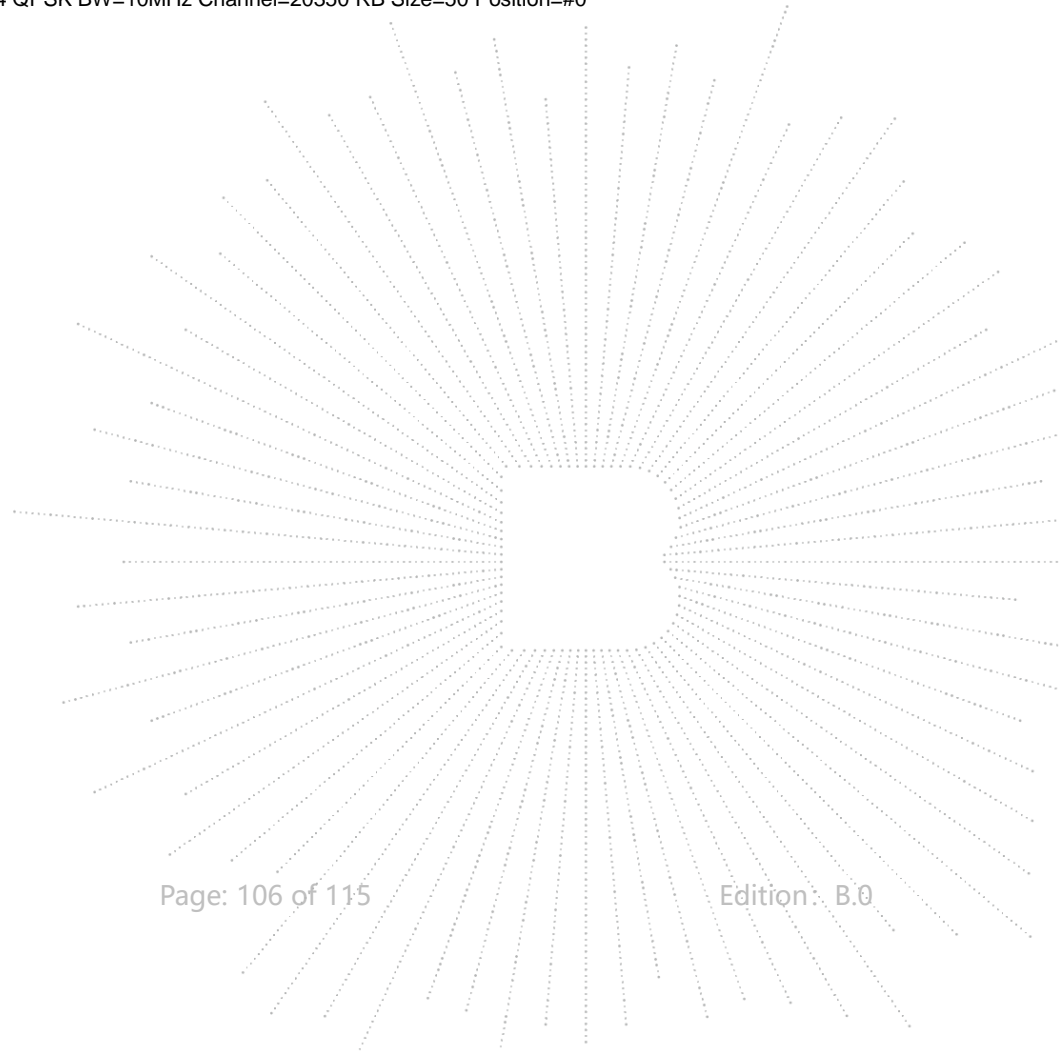


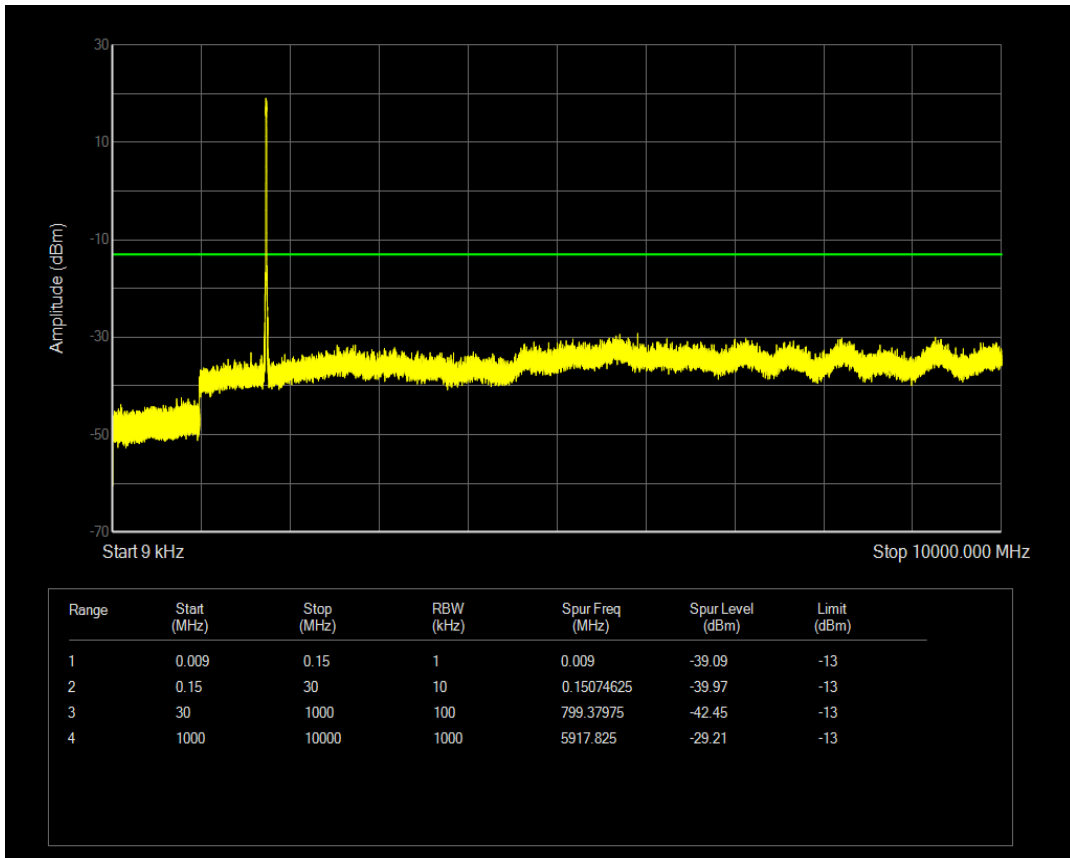


Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0

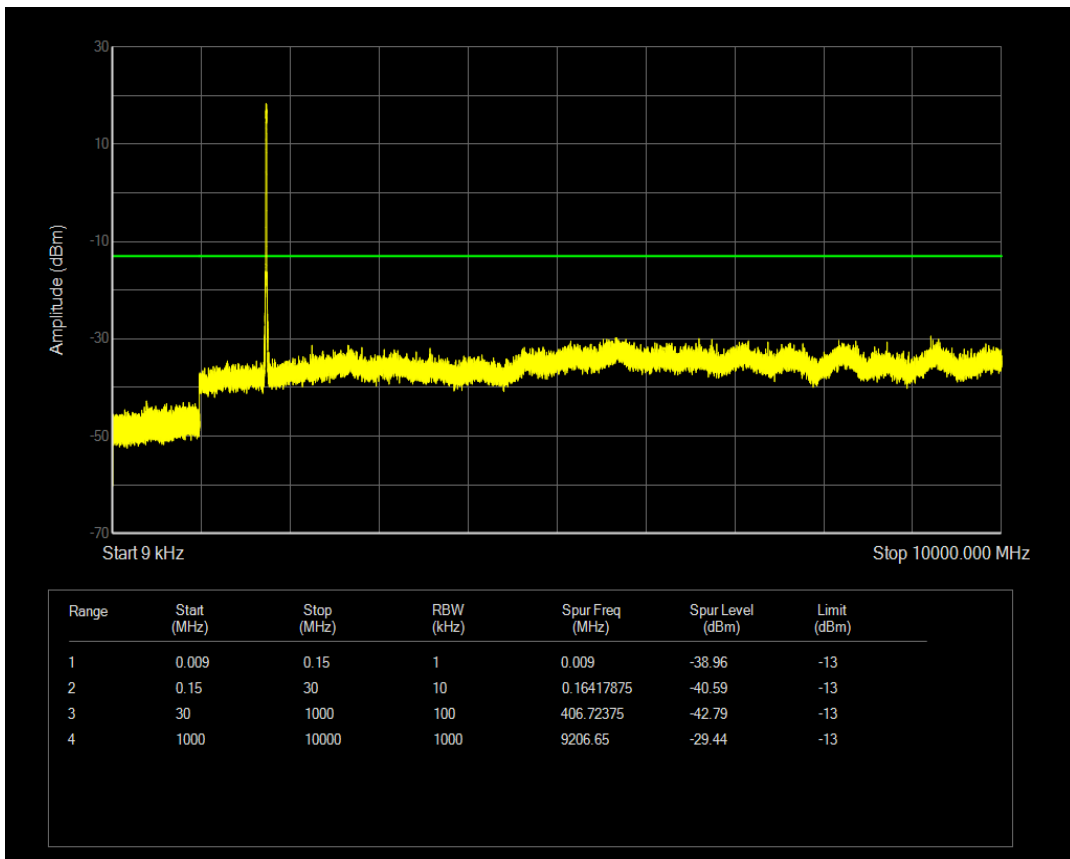


Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



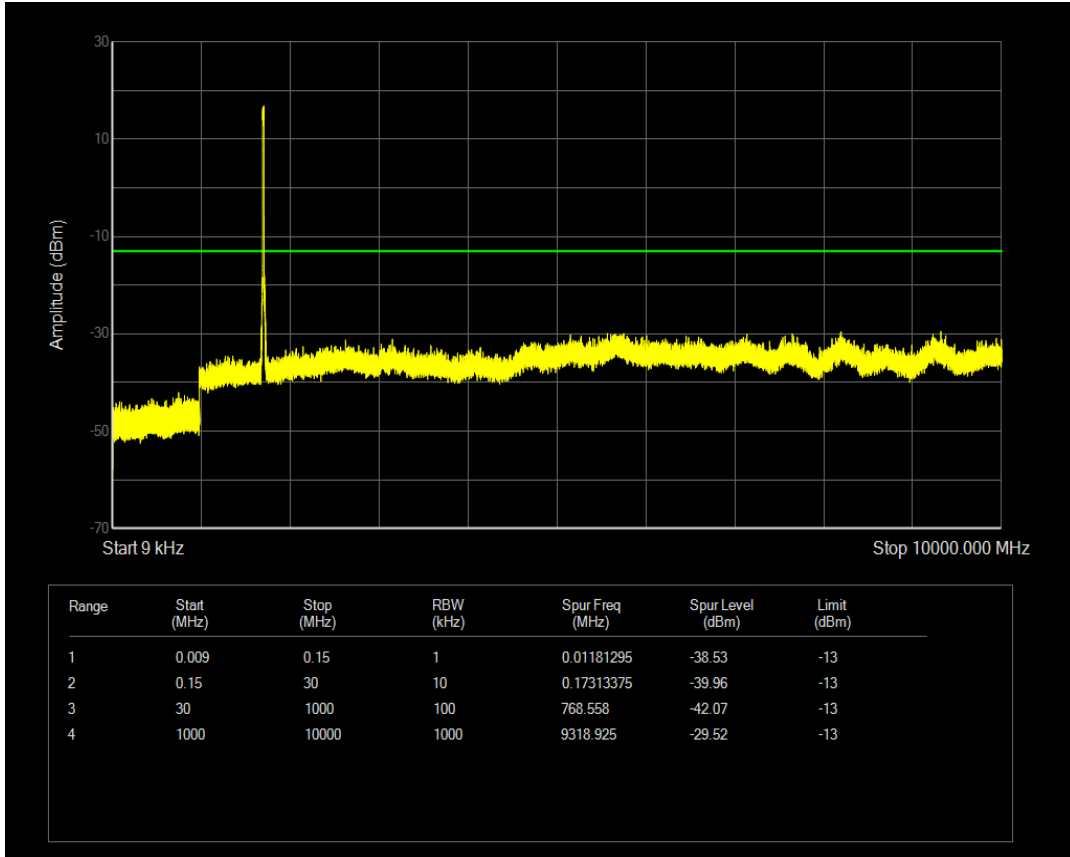


Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0

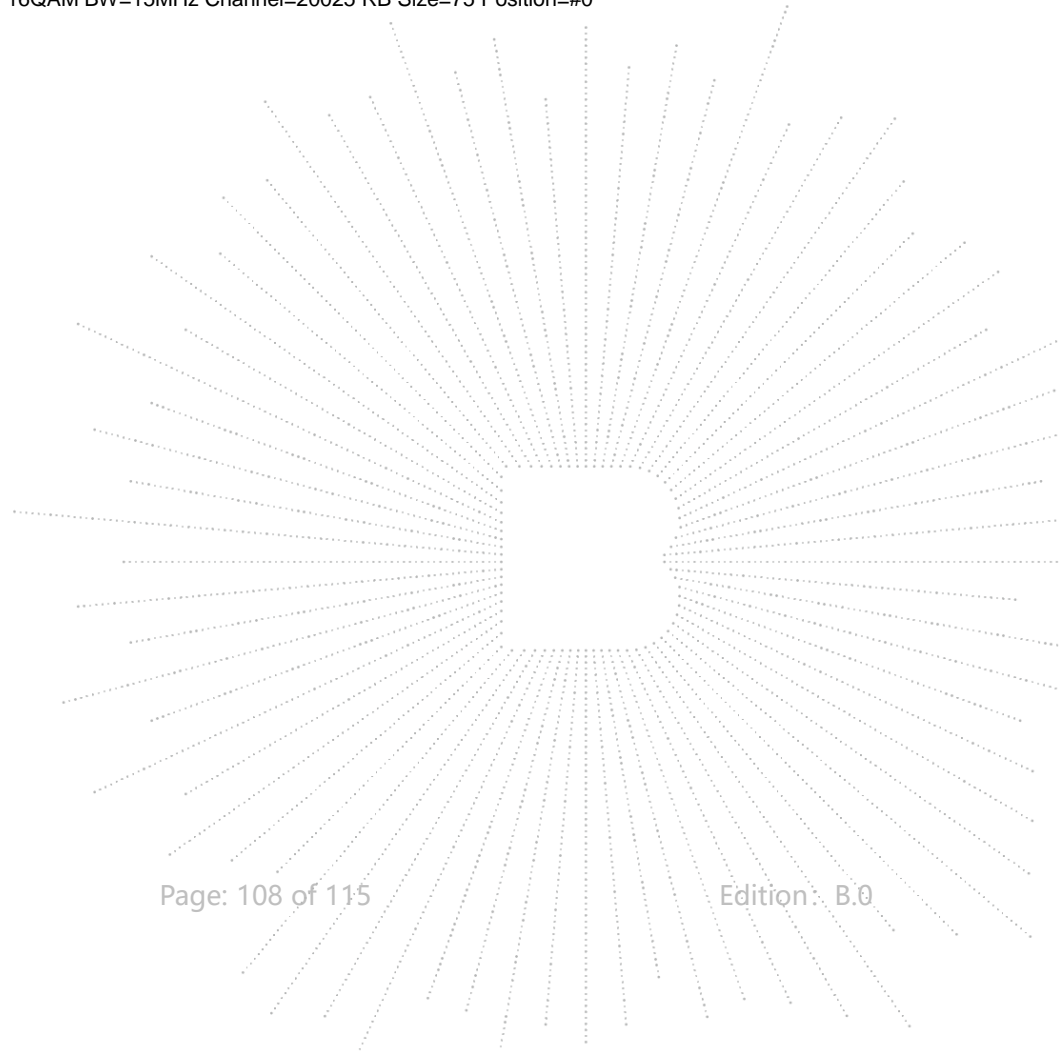


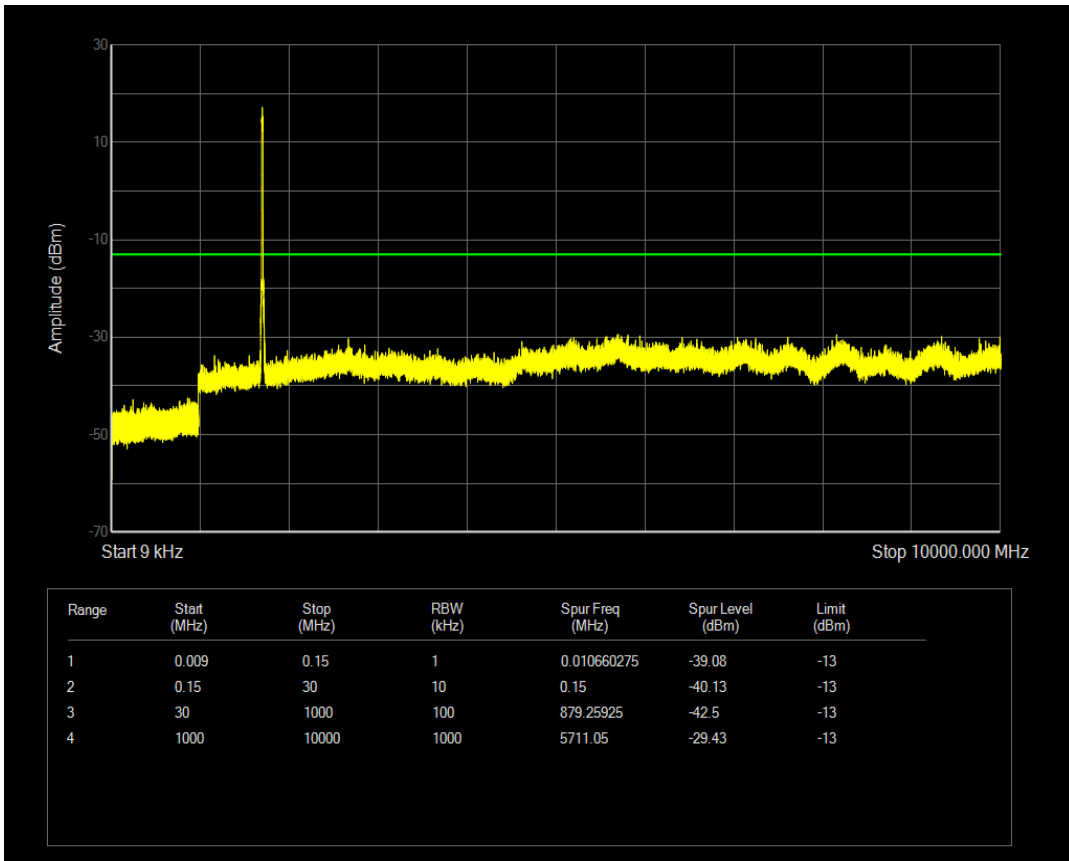


Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0

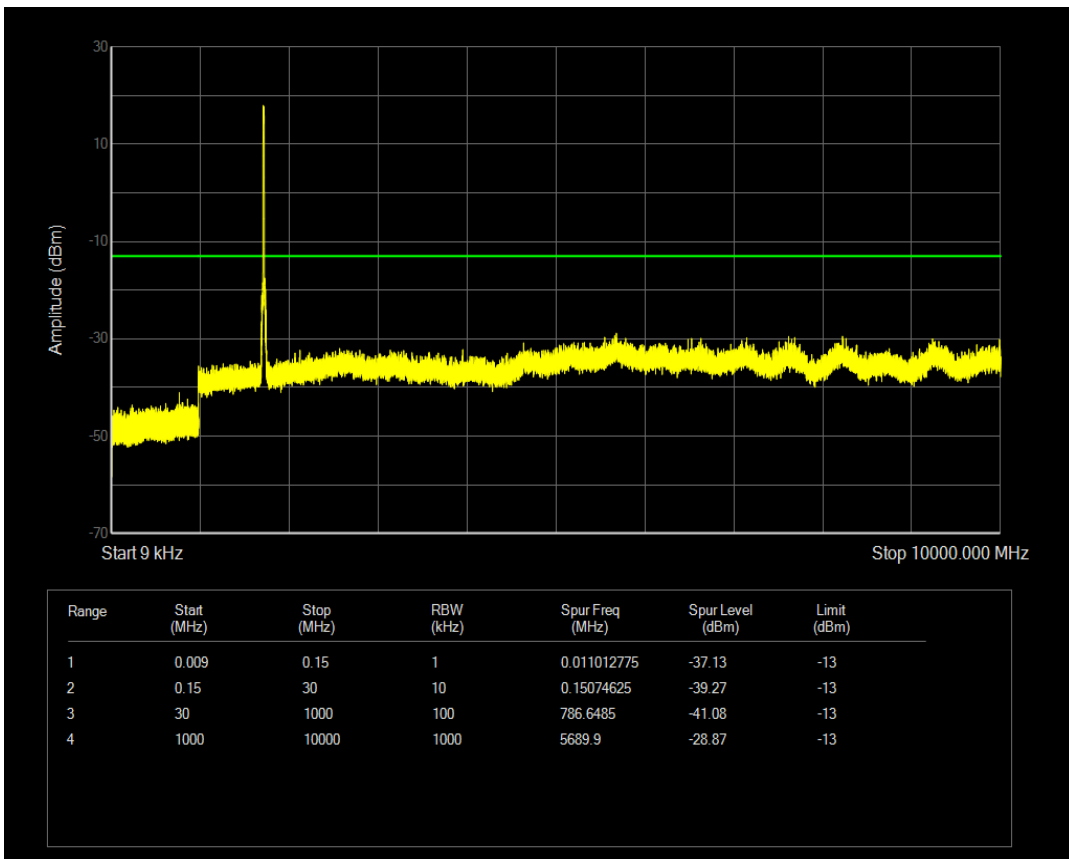


Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0



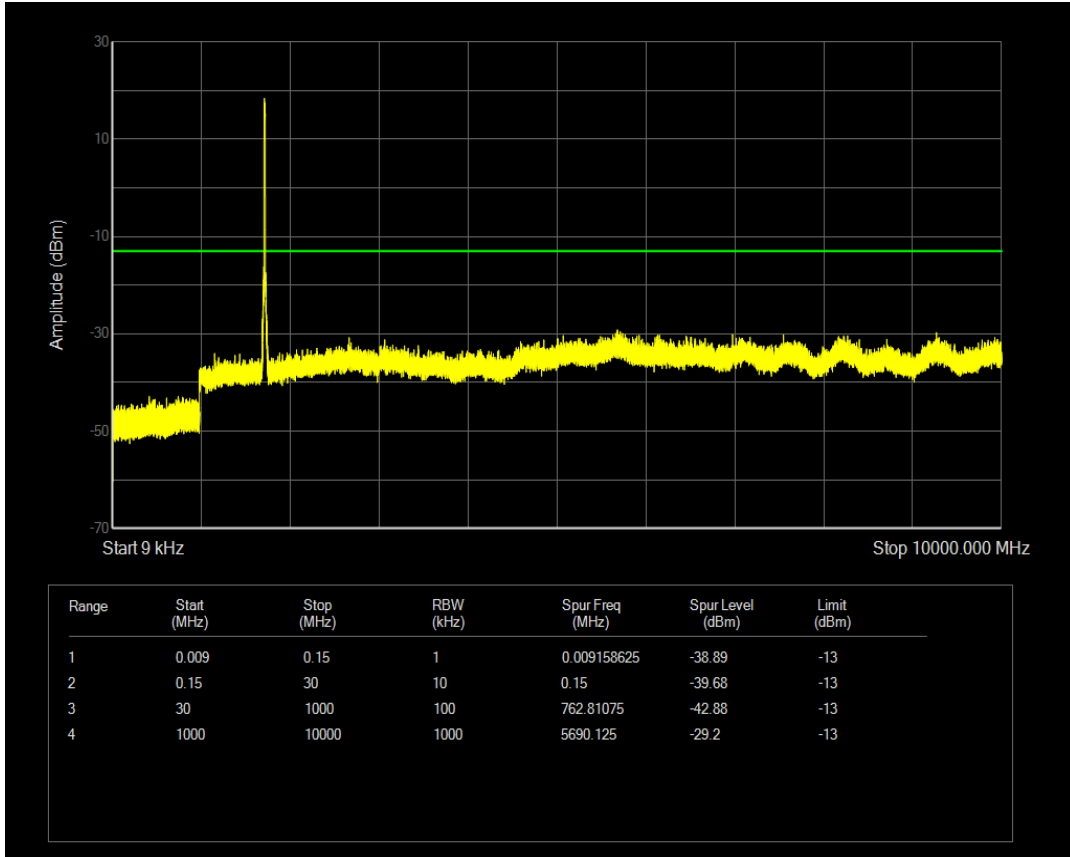


Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0

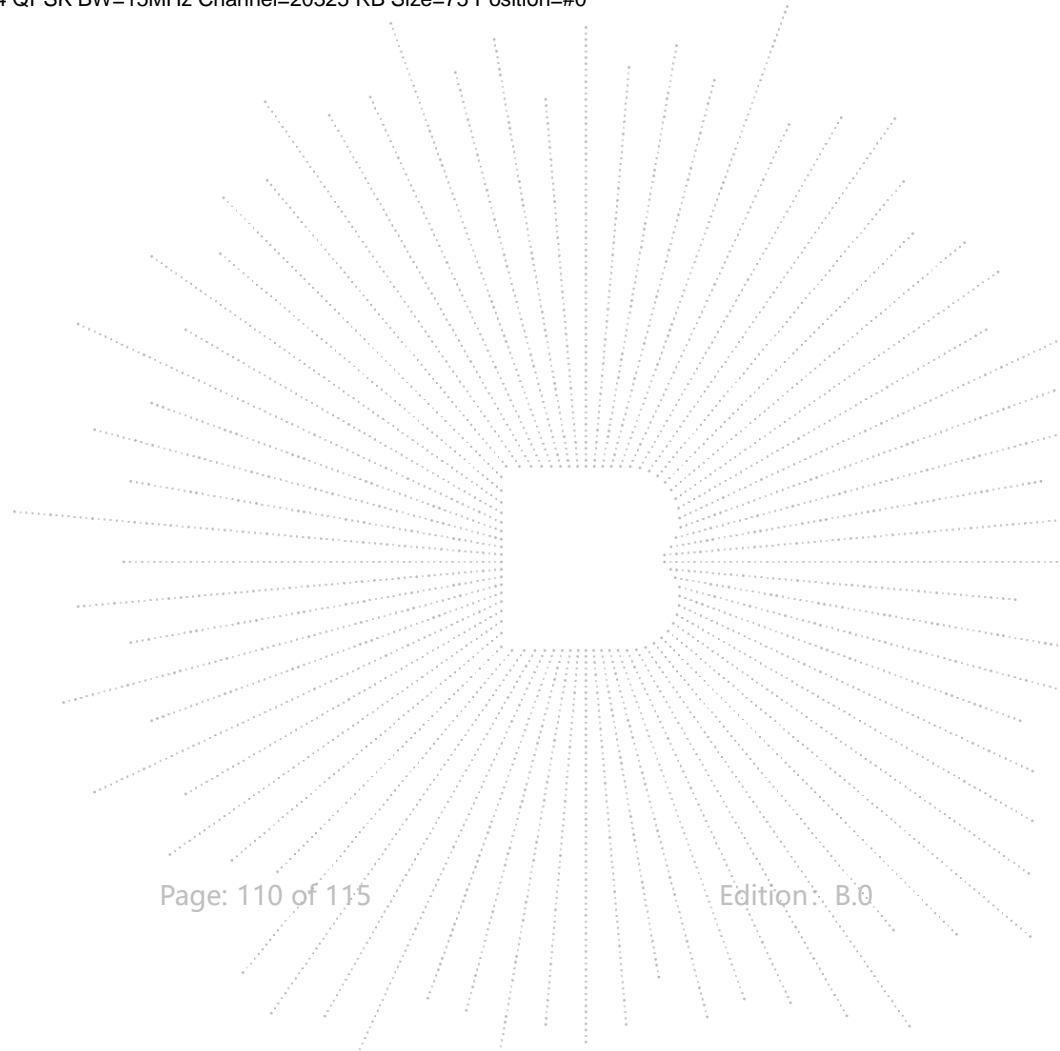


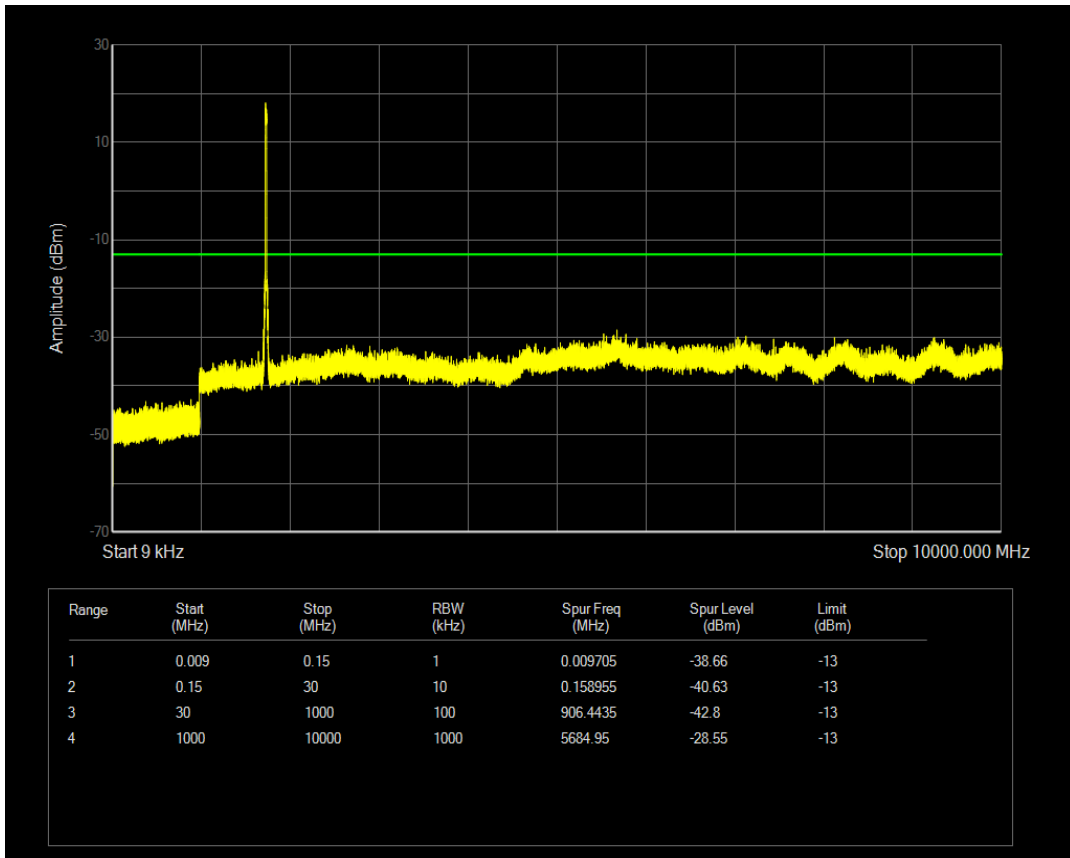


Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0

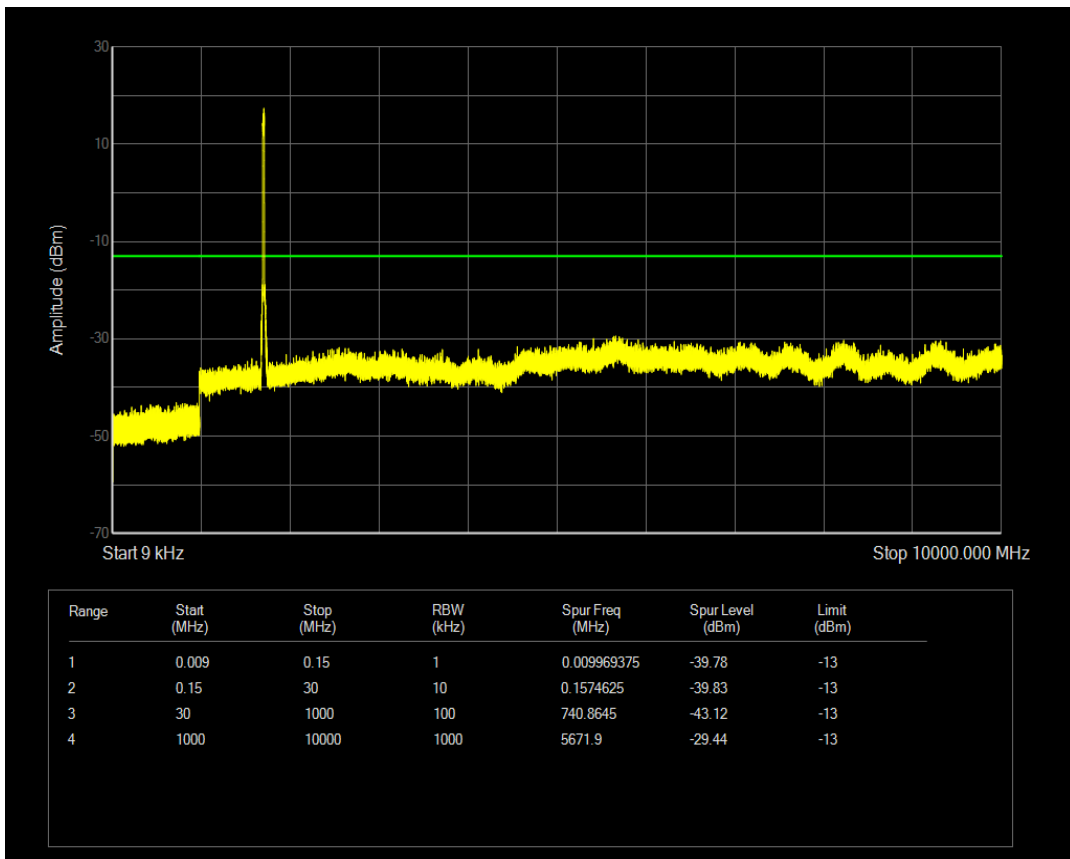


Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



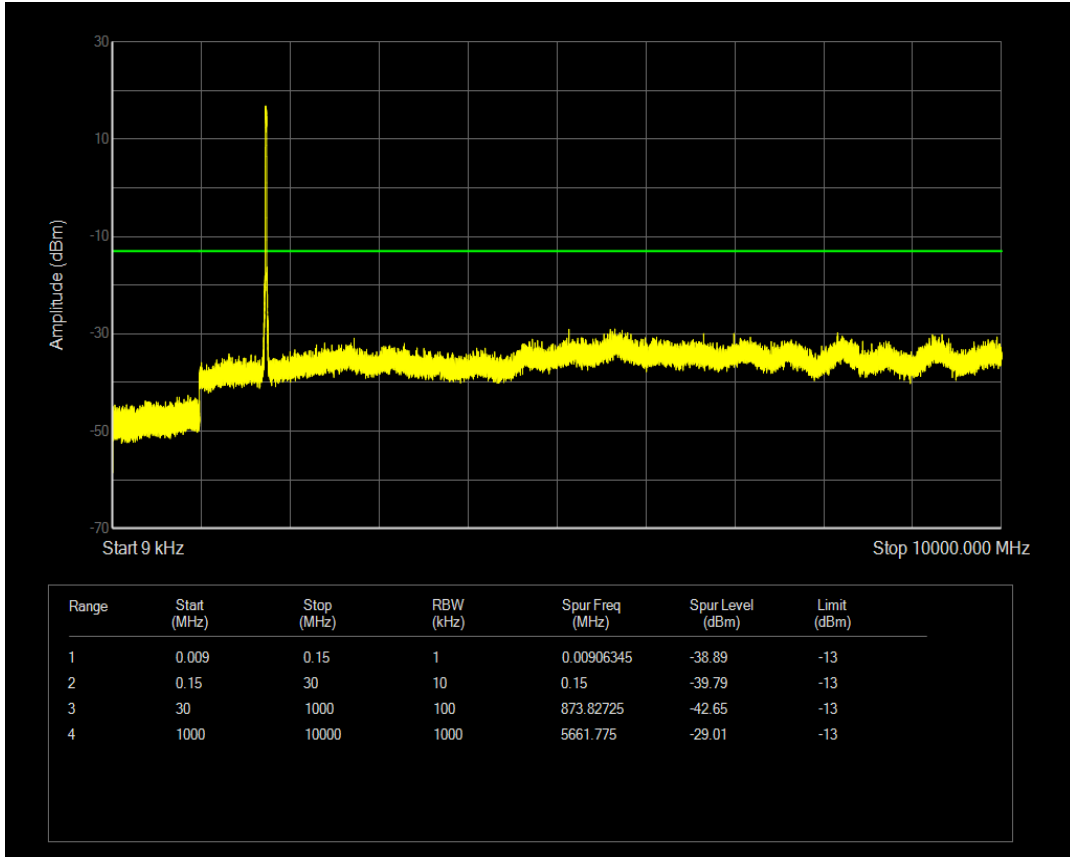


Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0

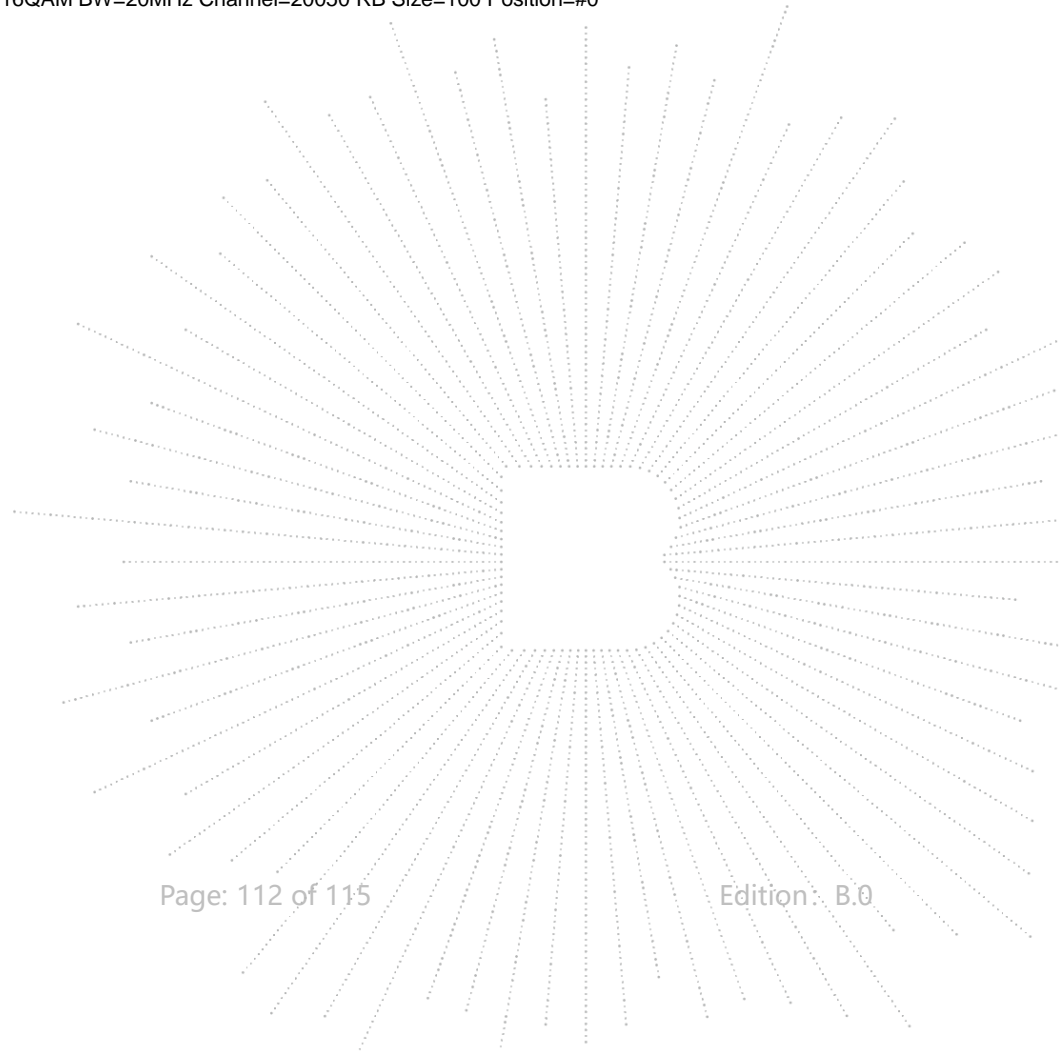


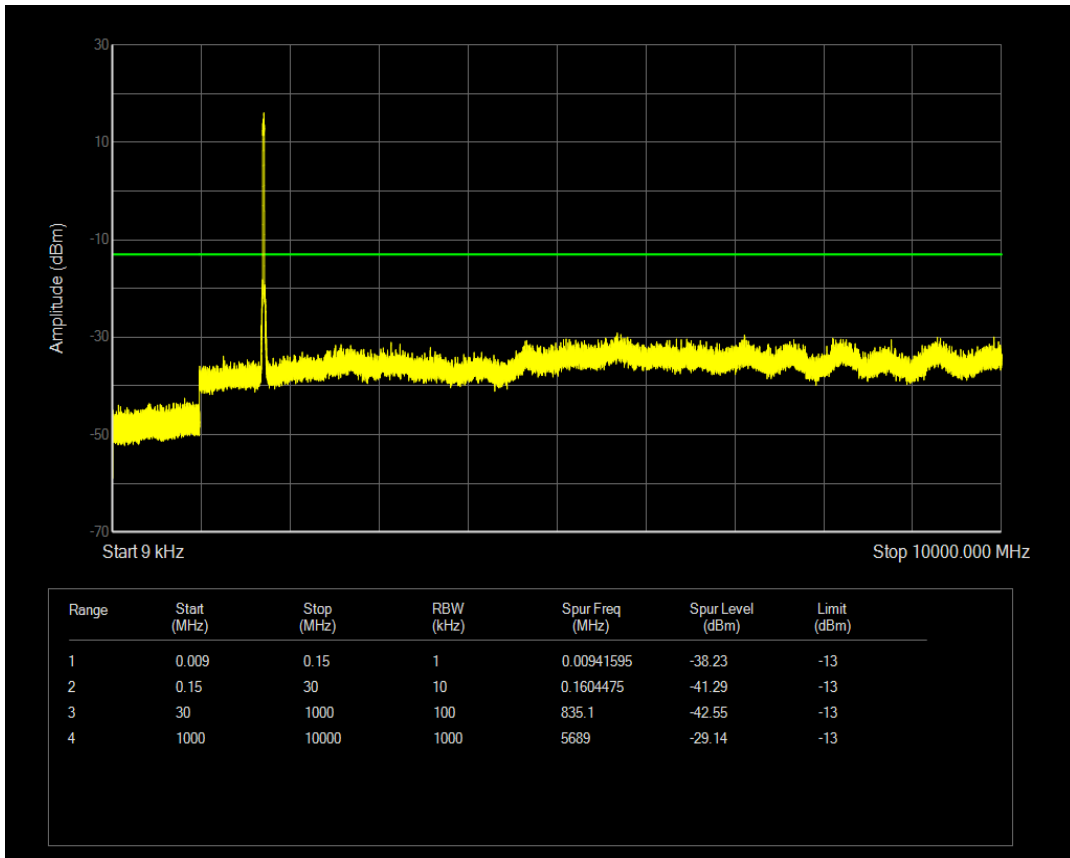


Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0

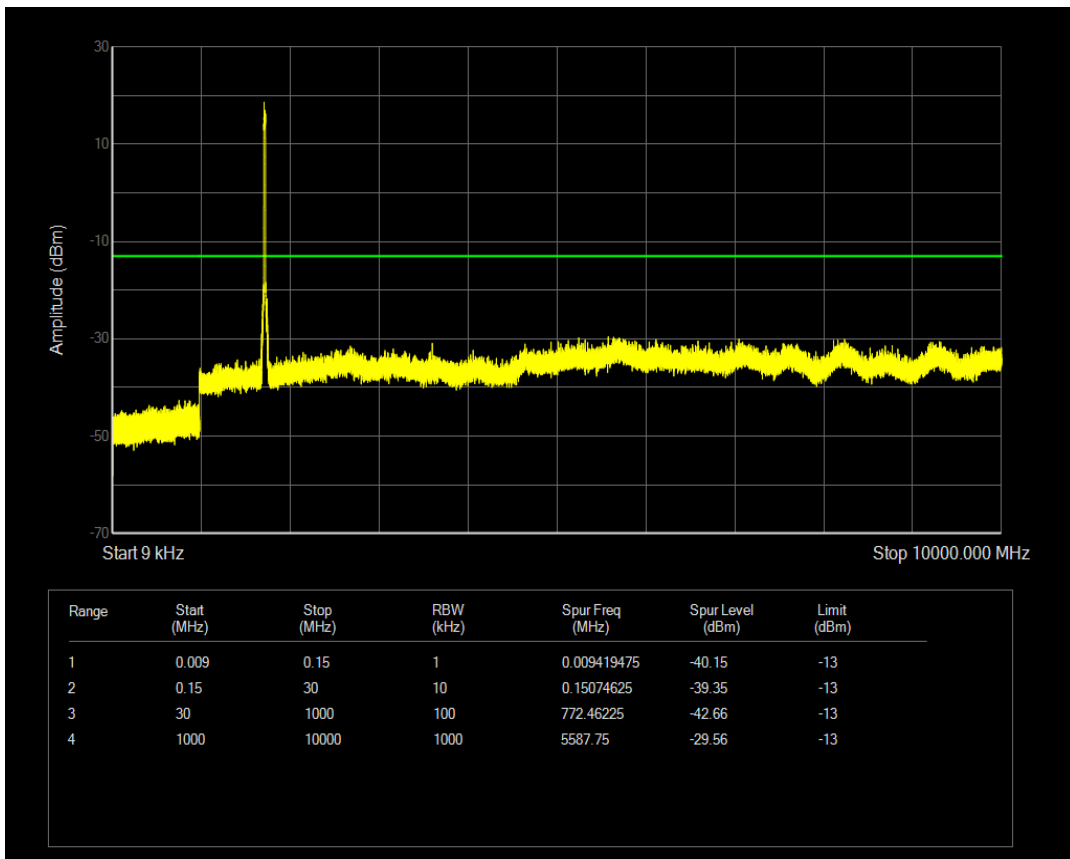


Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0



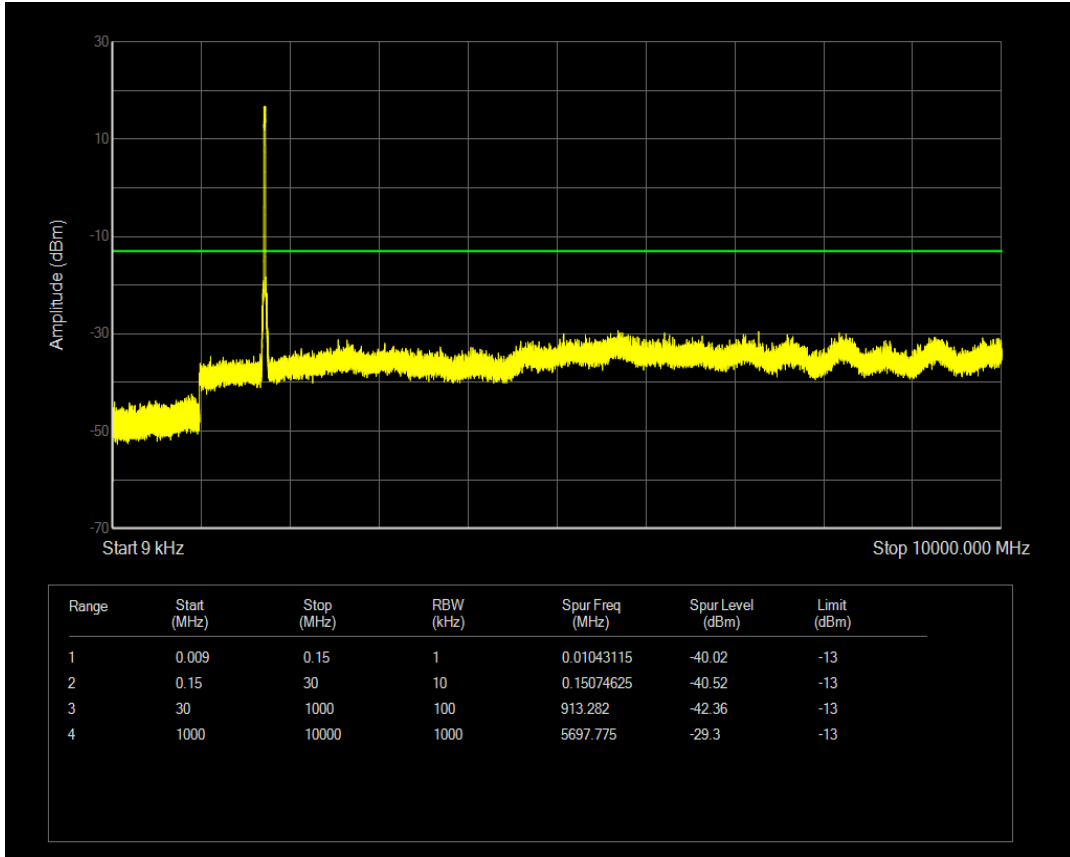


Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0

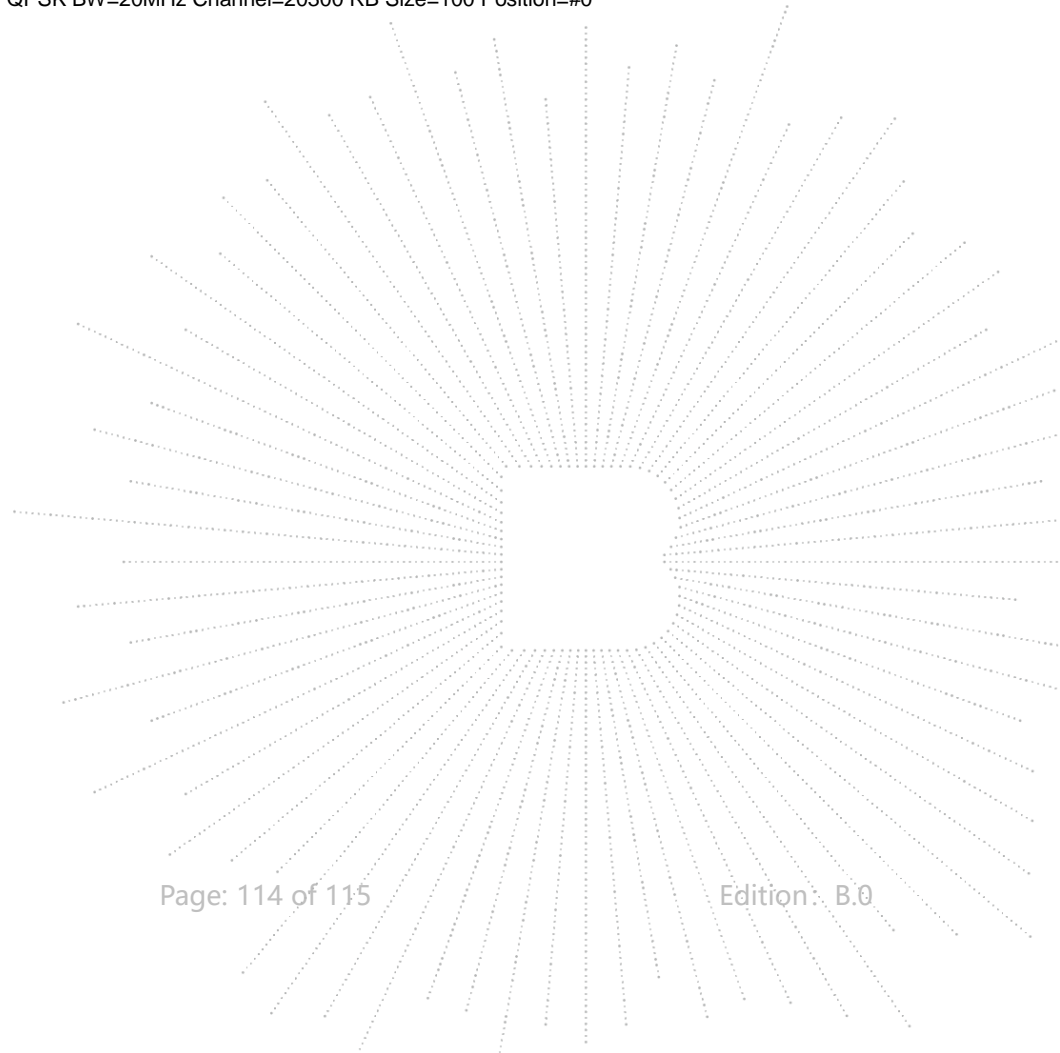


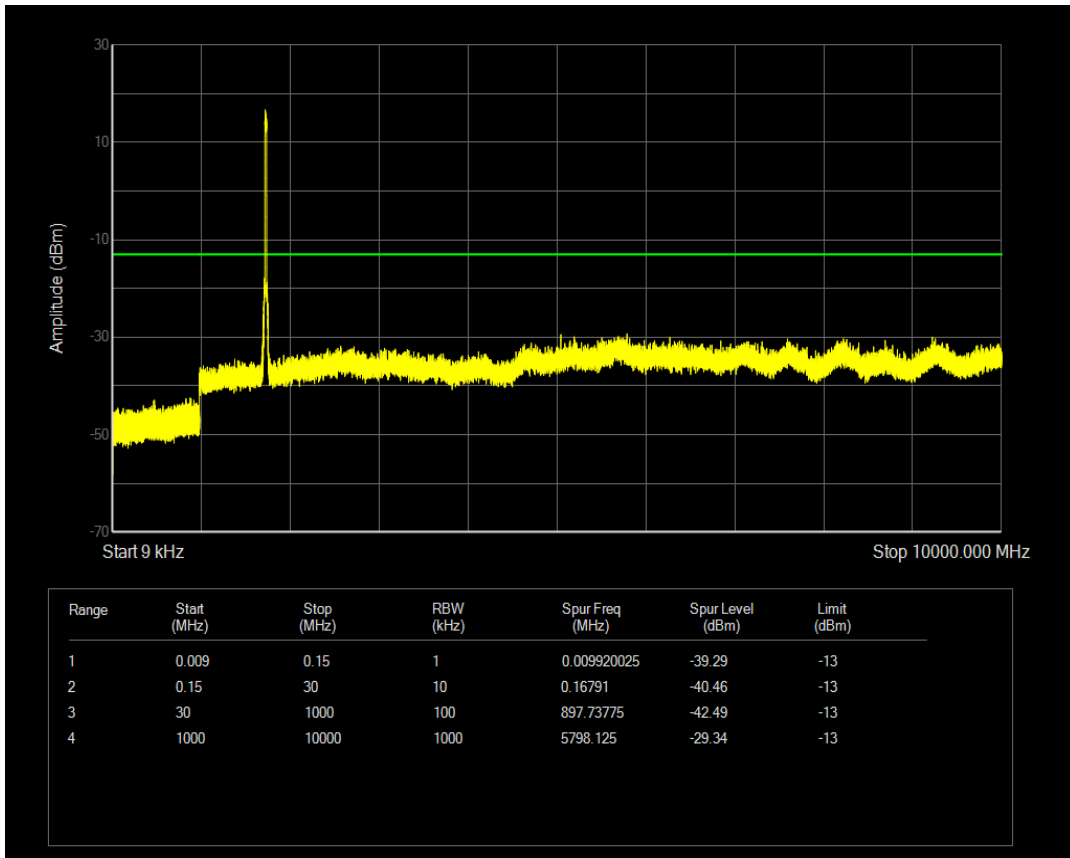


Band4 16QAM BW=20MHz Channel=20175 RB Size=100 Position=#0



Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0





Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0

